





HARRY POTTER  
AND THE METHODS OF RATIONALITY



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BOOK 1: HARRY JAMES POTTER-~~EVANS~~-~~VERRES~~ AND THE METHODS  
OF RATIONALITY

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## CHAPTER ONE

# A DAY OF VERY LOW PROBABILITY

Every inch of wall space is covered by a bookcase. Each bookcase has six shelves, going almost to the ceiling. Some bookshelves are stacked to the brim with hardback books: science, maths, history, and everything else. Other shelves have two layers of paperback science fiction, with the back layer of books propped up on old tissue boxes or lengths of wood, so that you can see the back layer of books above the books in front. And it still isn't enough. Books are overflowing onto the tables and the sofas and making little heaps under the windows.

This is the living-room of the house occupied by the eminent Professor Michael Verres-Evans, and his wife, Mrs. Petunia Evans-Verres, and their adopted son, Harry James Potter-Evans-Verres.

There is a letter lying on the living-room table, and an unstamped envelope of yellowish parchment, addressed to *Mr. H. Potter* in emerald-green ink.

The Professor and his wife are speaking sharply at each other, but they are not shouting. The Professor considers shouting to be uncivilised.

"You're joking," Michael said to Petunia. His tone indicated that he was very much afraid that she was serious.

"My sister was a witch," Petunia repeated. She looked frightened, but stood her ground. "Her husband was a wizard."

"This is absurd!" Michael said sharply. "They were at our wedding—they visited for Christmas—"

"I told them you weren't to know," Petunia whispered. "But it's true. I've seen things—"

The Professor rolled his eyes. "Dear, I understand that you're not familiar with the sceptical literature. You may not realise how easy it is for a trained magician to fake the seemingly impossible. Remember how I taught Harry to bend spoons? If it seemed like they could always guess what you were thinking, that's called cold reading—"

"It wasn't bending spoons—"

"What was it, then?"

Petunia bit her lip. "I can't just tell you. You'll think I'm—" She swallowed. "Listen. Michael. I wasn't—always like this—" She gestured at herself, as though to indicate her lithe form. "Lily did this. Because I—because I *begged* her. For years, I begged her. Lily had *always* been prettier than me, and I'd... been mean to her, because of that, and then she got *magic*, can you imagine how I felt? And I *begged* her to use some of that magic on me so that I could be pretty too, even if I couldn't have her magic, at least I could be pretty."

Tears were gathering in Petunia's eyes.

"And Lily would tell me no, and make up the most ridiculous excuses, like the world would end if she were nice to her sister, or a centaur told her not to—the most ridiculous things, and I hated her for it. And when I had just graduated from university, I was going out with this boy, Vernon Dursley, he was fat and he was the only boy who would talk to me. And he said he wanted children, and that his first son would be named Dudley. And I thought to myself, *what kind of parent names their child Dudley Dursley?* It was like I saw my whole future life stretching out in front of me, and I couldn't stand it. And I wrote to my sister and told her that if she didn't help me I'd rather just—"

Petunia stopped.

"Anyway," Petunia said, her voice small, "she gave in. She told me it was dangerous, and I said I didn't care any more, and I drank this potion and I was sick for weeks, but when I got better my skin cleared up and I finally filled out and... I was beautiful, people were *nice* to me," her voice broke, "and after that I couldn't hate my sister any more, especially when I learned what her magic brought her in the end—"

"Darling," Michael said gently, "you got sick, you gained some weight while resting in bed, and your skin cleared up on its own. Or being sick made you change your diet—"

"She was a witch," Petunia repeated. "I saw it."

"Petunia," Michael said. The annoyance was creeping into his voice. "You *know* that can't be true. Do I really have to explain why?"

Petunia wrung her hands. She seemed to be on the verge of tears. "My love, I know I can't win arguments with you, but please, you have to trust me on this—"

"Dad! Mum!"

The two of them stopped and looked at Harry as though they'd forgotten there was a third person in the room.

Harry took a deep breath. "Mum, *your* parents didn't have magic, did they?"

"No," Petunia said, looking puzzled.

"Then no one in your family knew about magic when Lily got her letter. How did *they* get convinced?"

"Ah..." Petunia said. "They didn't just send a letter. They sent a professor from Hogwarts. He—" Petunia's eyes flicked to Michael. "He showed us some magic."

"Then you don't have to fight over this," Harry said firmly. Hoping against hope that this time, just this once, they would listen to him. "If it's true, we can just get a Hogwarts professor here and see the magic for ourselves, and Dad will admit that it's true. And if not, then Mum will admit that it's false. That's what the experimental method is for, so that we don't have to resolve things just by arguing."

The Professor turned and looked down at him, dismissive as usual. "Oh, come now, Harry. Really, *magic*? I thought *you'd* know better than to take this seriously, son, even if you're only ten. Magic is just about the most unscientific thing there is!"

Harry's mouth twisted bitterly. He was treated well, probably better than most genetic fathers treated their own children. Harry had been sent to the best primary schools—and when that didn't work out, he was provided with tutors from the endless pool of starving students. Always Harry had been encouraged to study whatever caught his attention,

bought all the books that caught his fancy, sponsored in whatever maths or science competitions he entered. He was given anything reasonable that he wanted, except, maybe, the slightest shred of respect. A Doctor teaching biochemistry at Oxford could hardly be expected to listen to the advice of a little boy. You would listen to Show Interest, of course; that's what a Good Parent would do, and so, if you conceived of yourself as a Good Parent, you would do it. But take a ten-year-old *seriously*? Hardly.

Sometimes Harry wanted to scream at his father.

"Mum," Harry said. "If you want to win this argument with Dad, look in chapter two of the first book of the Feynman Lectures on Physics. There's a quote there about how philosophers say a great deal about what science absolutely requires, and it is all wrong, because the only rule in science is that the final arbiter is observation—that you just have to look at the world and report what you see. Um... off the top of my head I can't think of where to find something about how it's an ideal of science to settle things by experiment instead of arguments—"

His mother looked down at him and smiled. "Thank you, Harry. But—" her head rose back up to stare at her husband. "I don't want to win an argument with your father. I want my husband to, to listen to his wife who loves him, and trust her just this once—"

Harry closed his eyes briefly. *Hopeless*. Both of his parents were just hopeless.

Now his parents were getting into one of *those* arguments again, one where his mother tried to make his father feel guilty, and his father tried to make his mother feel stupid.

"I'm going to go to my room," Harry announced. His voice trembled a little. "Please try not to fight too much about this, Mum, Dad, we'll know soon enough how it comes out, right?"

"Of course, Harry," said his father, and his mother gave him a reassuring kiss, and then they went on fighting while Harry climbed the stairs to his bedroom.

He shut the door behind him and tried to think.

The funny thing was, he *should* have agreed with Dad. No one had ever seen any evidence of magic, and according to Mum, there was a whole

magical world out there. How could anyone keep something like that a secret? More magic? That seemed like a rather suspicious sort of excuse.

It should have been a clean case for Mum joking, lying or being insane, in ascending order of awfulness. If Mum had sent the letter herself, that would explain how it arrived at the letterbox without a stamp. A little insanity was far, far less improbable than the universe really working like that.

Except that some part of Harry was utterly convinced that magic was real, and had been since the instant he saw the putative letter from the Hogwarts School of Witchcraft and Wizardry.

Harry rubbed his forehead, grimacing. *Don't believe everything you think*, one of his books had said.

But this bizarre certainty... Harry was finding himself just *expecting* that, yes, a Hogwarts professor would show up and wave a wand and magic would come out. The strange certainty was making no effort to guard itself against falsification—wasn't making excuses in advance for why there wouldn't be a professor, or the professor would only be able to bend spoons.

*Where do you come from, strange little prediction?* Harry directed the thought at his brain. *Why do I believe what I believe?*

Usually Harry was pretty good at answering that question, but in this particular case, he had no *clue* what his brain was thinking.

Harry mentally shrugged. A flat metal plate on a door affords pushing, and a handle on a door affords pulling, and the thing to do with a testable hypothesis is to go and test it.

He took a piece of lined paper from his desk, and started writing.

*Dear Deputy Headmistress*

Harry paused, reflecting; then discarded the paper for another, tapping another millimetre of graphite from his mechanical pencil. This called for careful calligraphy.

*Dear Deputy Headmistress Minerva McGonagall,*

*Or Whomsoever It May Concern:*

*I recently received your letter of acceptance to Hogwarts, addressed to Mr. H. Potter. You may not be aware that my genetic parents, James Potter and Lily Potter (formerly Lily Evans) are dead. I was adopted by Lily's sister, Petunia Evans-Verres, and her husband, Michael Verres-Evans.*

*I am extremely interested in attending Hogwarts, conditional on such a place actually existing. Only my mother Petunia says she knows about magic, and she can't use it herself. My father is highly sceptical. I myself am uncertain. I also don't know where to obtain any of the books or equipment listed in your acceptance letter.*

*Mother mentioned that you sent a Hogwarts representative to Lily Potter (then Lily Evans) in order to demonstrate to her family that magic was real, and, I presume, help Lily obtain her school materials. If you could do this for my own family it would be extremely helpful.*

*Sincerely,  
Harry James Potter-Evans-Verres.*

Harry added their current address, then folded up the letter and put it in an envelope, which he addressed to Hogwarts. Further consideration led him to obtain a candle and drip wax onto the flap of the envelope, into which, using a penknife's tip, he impressed the initials H.J.P.E.V. If he was going to descend into this madness, he was going to do it with style.

Then he opened his door and went back downstairs. His father was sitting in the living-room and reading a book of higher maths to show how smart he was; and his mother was in the kitchen preparing one of his father's favourite meals to show how loving she was. It didn't look like they were talking to one another at all. As scary as arguments could be, *not arguing* was somehow much worse.

"Mum," Harry said into the unnerving silence, "I'm going to test the hypothesis. According to your theory, how do I send an owl to Hogwarts?"

His mother turned from the kitchen sink to stare at him, looking shocked. "I—I don't know, I think you just have to own a magic owl."

That should've sounded highly suspicious, *oh, so there's no way to test your theory then*, but the peculiar certainty in Harry seemed willing to stick its neck out even further.

"Well, the letter got here somehow," Harry said, "so I'll just wave it around outside and call 'letter for Hogwarts!' and see if an owl picks it up. Dad, do you want to come and watch?"

His father shook his head minutely and kept on reading. *Of course*, Harry thought to himself. Magic was a disgraceful thing that only stupid people believed in; if his father went so far as to *test* the hypothesis, or even *watch* it being tested, that would feel like *associating* himself with that...

Only as Harry stumped out the back door, into the back garden, did it occur to him that if an owl *did* come down and snatch the letter, he was going to have some trouble telling Dad about it.

*But—well—that can't really happen, can it? No matter what my brain seems to believe. If an owl really comes down and grabs this envelope, I'm going to have worries a lot more important than what Dad thinks.*

Harry took a deep breath, and raised the envelope into the air.

He swallowed.

Calling out *Letter for Hogwarts!* while holding an envelope high in the air in the middle of your own back garden was... actually pretty embarrassing, now that he thought about it.

*No. I'm better than Dad. I will use the scientific method even if it makes me feel stupid.*

"Letter—" Harry said, but it actually came out as more of a whispered croak.

Harry steeled his will, and shouted into the empty sky, "*Letter for Hogwarts! Can I get an owl?*"

"Harry?" asked a bemused woman's voice, one of the neighbours.

Harry pulled down his hand like it was on fire and hid the envelope behind his back like it was drug money. His whole face was hot with shame.

An old woman's face peered out from above the neighbouring fence, grizzled grey hair escaping from her hairnet. Mrs. Figg, the occasional babysitter. "What are you doing, Harry?"

"Nothing," Harry said in a strangled voice. "Just—testing a really silly theory—"

"Did you get your acceptance letter from Hogwarts?"

Harry froze in place.

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## CHAPTER 1

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"Yes," Harry's lips said a little while later. "I got a letter from Hogwarts. They say they want my owl by the 31st of July, but—"

"But you don't *have* an owl. Poor dear! I can't imagine *what* someone must have been thinking, sending you just the standard letter."

A wrinkled arm stretched out over the fence, and opened an expectant hand. Hardly even thinking at this point, Harry gave over his envelope.

"Just leave it to me, dear," said Mrs. Figg, "and in a jiffy or two I'll have someone over."

And her face disappeared from over the fence.

There was a long silence in the garden.

Then a boy's voice said, calmly and quietly, "What."



## CHAPTER TWO

# EVERYTHING I BELIEVE IS FALSE

“Now, just to be clear,” Harry said, “if the professor does levitate you, Dad, when you know you haven’t been attached to any wires, that’s going to be sufficient evidence. You’re not going to turn around and say that it’s a magician’s trick. That wouldn’t be fair play. If you feel that way, you should say so *now*, and we can figure out a different experiment instead.”

Harry’s father, Professor Michael Verres-Evans, rolled his eyes. “Yes, Harry.”

“And you, Mum, your theory says that the professor should be able to do this, and if that doesn’t happen, you’ll admit you’re mistaken. Nothing about how magic doesn’t work when people are sceptical of it, or anything like that.”

Deputy Headmistress Minerva McGonagall was watching Harry with a bemused expression. She looked quite witchy in her black robes and pointed hat, but when she spoke she sounded formal and Scottish, which didn’t go together with the look at all. At first glance she looked like someone who ought to cackle and put babies into cauldrons, but the whole effect was ruined as soon as she opened her mouth. “Is that sufficient, Mr. Potter?” she said. “Shall I go ahead and demonstrate?”

“Sufficient? Probably not,” Harry said. “But at least it will *help*. Go ahead, Deputy Headmistress.”

“Just Professor will do,” said she, and then, “*Wingardium Leviosa*.” Harry looked at his father.

"Huh," Harry said.

His father looked back at him. "Huh," his father echoed.

Then Professor Verres-Evans looked back at Professor McGonagall. "All right, you can put me down now."

His father was lowered carefully to the ground.

Harry ruffled a hand through his own hair. Maybe it was just that strange part of him which had *already* been convinced, but... "That's a bit of an anticlimax," Harry said. "You'd think there'd be some kind of more dramatic mental event associated with updating on an observation of infinitesimal probability—" Harry stopped himself. Mum, the witch, and even his Dad were giving him *that look* again. "I mean, with finding out that everything I believe is false."

Seriously, it should have been more dramatic. His brain ought to have been flushing its entire current stock of hypotheses about the universe, none of which allowed this to happen. But instead his brain just seemed to be going, *All right, I saw the Hogwarts Professor wave her wand and make your father rise into the air, now what?*

The witch-lady was smiling benevolently upon them, looking quite amused. "Would you like a further demonstration, Mr. Potter?"

"You don't have to," Harry said. "We've performed a definitive experiment. But..." Harry hesitated. He couldn't help himself. Actually, under the circumstances, he *shouldn't* be helping himself. It was right and proper to be curious. "What else *can* you do?"

Professor McGonagall turned into a cat.

Harry scrambled back unthinkingly, backpedalling so fast that he tripped over a stray stack of books and landed hard on his bottom with a *thwack*. His hands came down to catch himself without quite reaching properly, and there was a warning twinge in his shoulder as the weight came down unbraced.

At once the small tabby cat morphed back up into a robed woman. "I'm sorry, Mr. Potter," said the witch, sounding sincere, though the corners of her lips were twitching upwards. "I should have warned you."

Harry was breathing in short gasps. His voice came out choked. "*You can't DO that!*"

"It's only a Transfiguration," said Professor McGonagall. "An Animagus transformation, to be exact."

"You turned into a cat! A *SMALL* cat! You violated Conservation of Energy! That's not just an arbitrary rule, it's implied by the form of the quantum Hamiltonian! Rejecting it destroys unitarity and then you get FTL signalling! And cats are *COMPLICATED*! A human mind can't just visualise a whole cat's anatomy and, and all the cat biochemistry, and what about the *neurology*? How can you go on *thinking* using a cat-sized brain?"

Professor McGonagall's lips were twitching harder now. "Magic."

"Magic *isn't enough* to do that! You'd have to be a god!"

Professor McGonagall blinked. "That's the first time I've ever been called *that*."

A blur was coming over Harry's vision, as his brain started to comprehend what had just broken. The whole idea of a unified universe with mathematically regular laws, that was what had been flushed down the toilet; the whole notion of *physics*. Three thousand years of resolving big complicated things into smaller pieces, discovering that the music of the planets was the same tune as a falling apple, finding that the true laws were perfectly universal and had no exceptions anywhere and took the form of simple maths governing the smallest parts, *not to mention* that the mind was the brain and the brain was made of neurons, a brain was what a person *was*—

And then a woman turned into a cat, so much for all that.

A hundred questions fought for priority over Harry's lips and the winner poured out: "And, and what kind of incantation is *Wingardium Leviosa*? Who invents the words to these spells, nursery schoolers?"

"That will do, Mr. Potter," Professor McGonagall said crisply, though her eyes shone with suppressed amusement. "If you wish to learn about magic, I suggest that we finalise the paperwork so that you can go to Hogwarts."

"Right," Harry said, somewhat dazed. He pulled his thoughts together. The March of Reason would just have to start over, that was all; they still had the experimental method and that was the important thing. "How do I get to Hogwarts, then?"

A choked laugh escaped Professor McGonagall, as if extracted from her by tweezers.

"Hold on a moment, Harry," his father said. "Remember why you haven't been going to school up until now? What about your condition?"

Professor McGonagall spun to face Michael. "His condition? What's this?"

"I don't sleep right," Harry said. He waved his hands helplessly. "My sleep cycle is twenty-six hours long, I always go to sleep two hours later, every day. I can't fall asleep any earlier than that, and then the next day I go to sleep two hours later than *that*. 10PM, 12AM, 2AM, 4AM, until it goes around the clock. Even if I try to wake up early, it makes no difference and I'm a wreck that whole day. That's why I haven't been going to a normal school up until now."

"One of the reasons," said his mother. Harry shot her a glare.

McGonagall gave a long *hmmmm*. "I can't recall hearing about such a condition before..." she said slowly. "I'll check with Madam Pomfrey to see if she knows any remedies." Then her face brightened. "No, I'm sure this won't be a problem—I'll find a solution in time. Now," and her gaze sharpened again, "what are these *other* reasons?"

Harry sent his parents a glare. "I am a conscientious objector to child conscription, on grounds that I should not have to suffer for a disintegrating school system's failure to provide teachers or study materials of even minimally adequate quality."

Both of Harry's parents howled with laughter at that, like they thought it was all a big joke. "Oh," said Harry's father, eyes bright, "is *that* why you bit a maths teacher in third year."

"*She didn't know what a logarithm was!*"

"Of course," seconded Harry's mother. "Biting her was a very mature response to that."

Harry's father nodded. "A well-considered policy for addressing the problem of teachers who don't understand logarithms."

"I was *seven years old!* How long are you going to keep on bringing that up?"

"I know," said his mother sympathetically, "you bite *one* maths teacher and they never let you forget it, do they?"

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EVERYTHING I BELIEVE IS FALSE

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Harry turned to Professor McGonagall. "There! You see what I have to deal with?"

"Excuse me," said Petunia, and fled through the backdoor into the garden, from which her screams of laughter were clearly audible.

"There, ah, there," Professor McGonagall seemed to be having trouble speaking for some reason, "there is to be no biting of teachers at Hogwarts, is that quite clear, Mr. Potter?"

Harry scowled at her. "Fine, I won't bite anyone who doesn't bite me first."

Professor Michael Verres-Evans also had to leave the room briefly upon hearing that.

"Well," Professor McGonagall sighed, after Harry's parents had composed themselves and returned. "Well. I think, under the circumstances, that I should avoid taking you to purchase your study materials until a day or two before school begins."

"What? Why? The other children already know magic, don't they? I have to start catching up right away!"

"Rest assured, Mr. Potter," replied Professor McGonagall, "Hogwarts is quite capable of teaching the basics. And I suspect, Mr. Potter, that if I leave you alone for two months with your schoolbooks, even without a wand, I will return to this house only to find a crater billowing purple smoke, a depopulated city surrounding it and a plague of flaming zebras terrorising what remains of England."

Harry's mother and father nodded in perfect unison.

*"Mum! Dad!"*



## CHAPTER THREE

# COMPARING REALITY TO ITS ALTERNATIVES

“Good Lord,” said the barman, peering at Harry, “is this—can this be—?”

Harry leaned towards the bar of the Leaky Cauldron as best he could, though it came up to somewhere around the tips of his eyebrows. A question like *that* deserved his very best.

“Am I—could I be—maybe—you never know—if I’m *not*—but then the question is—*who*?”

“Bless my soul,” whispered the old barman. “Harry Potter... what an honour.”

Harry blinked, then rallied. “Well, yes, you’re quite perceptive; most people don’t realise that so quickly—”

“That’s enough,” Professor McGonagall said. Her hand tightened on Harry’s shoulder. “Don’t pester the boy, Tom, he’s new to all this.”

“But it is him?” quavered an old woman. “It’s Harry Potter?” With a scraping sound, she got up from her chair.

“Doris—” McGonagall said warningly. The glare she shot around the room should have been enough to intimidate anyone.

“I only want to shake his hand,” the woman whispered. She bent low and stuck out a wrinkled hand, which Harry, feeling confused and more uncomfortable than he ever had in his life, carefully shook. Tears fell from the woman’s eyes onto their clasped hands. “My grandson was an Auror,” she whispered to him. “Died in seventy-nine. Thank you, Harry Potter. Thank heavens for you.”

"You're welcome," Harry said automatically, and then he turned his head and shot Professor McGonagall a frightened, pleading look.

Professor McGonagall slammed her foot down just as the general rush was about to start. It made a noise that gave Harry a new referent for the phrase "Crack of Doom", and everyone froze in place.

"We're in a hurry," Professor McGonagall said in a voice that sounded perfectly, utterly normal.

They left the bar without any trouble.

"Professor?" Harry said, once they were in the courtyard. He had meant to ask what was going on, but oddly found himself asking an entirely different question instead. "Who was that pale man, by the corner? The man with the twitching eye?"

"Hm?" said Professor McGonagall, sounding a bit surprised; perhaps she hadn't expected that question either. "That was Professor Quirinus Quirrell. He'll be teaching Defence Against the Dark Arts this year at Hogwarts."

"I had the strangest feeling that I knew him..." Harry rubbed his forehead. "And that I shouldn't ought to shake his hand." Like meeting someone who had been a friend, once, before something went drastically wrong... that wasn't really it at all, but Harry couldn't find words. "And what was... all of that?"

Professor McGonagall was giving him an odd glance. "Mr. Potter... do you know... how *much* have you been told... about how your parents died?"

Harry returned a steady look. "My parents are alive and well, and they always refused to talk about how my *genetic* parents died. From which I infer that it wasn't good."

"An admirable loyalty," said Professor McGonagall. Her voice went low. "Though it hurts a little to hear you say it like that. Lily and James were friends of mine."

Harry looked away, suddenly ashamed. "I'm sorry," he said in a small voice. "But I *have* a Mum and Dad. And I know that I'd just make myself unhappy by comparing that reality to... something perfect that I built up in my imagination."

"That is amazingly wise of you," Professor McGonagall said quietly. "But your *genetic* parents died very well indeed, protecting you."



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## COMPARING REALITY TO ITS ALTERNATIVES

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*Protecting me?*

Something strange clutched at Harry's heart. "What... *did* happen?"

Professor McGonagall sighed. Her wand tapped Harry's forehead, and his vision blurred for a moment. "Something of a disguise," she said, "so that this doesn't happen again, not until you're ready." Then her wand licked out again, and tapped three times on a brick wall...

...which hollowed into a hole, and dilated and expanded and shivered into a huge archway, revealing a long row of shops with signs advertising cauldrons and dragon livers.

Harry didn't blink. It wasn't like anyone was turning into a cat.

And they walked forwards, together, into the wizarding world.

There were merchants hawking Bounce Boots ("Made with real Flubber!") and "Knives +3! Forks +2! Spoons with a +4 bonus!" There were goggles that would turn anything you looked at green, and a lineup of comfy armchairs with ejection seats for emergencies.

Harry's head kept rotating, rotating like it was trying to wind itself off his neck. It was like walking through the magical items section of an *Advanced Dungeons and Dragons* rulebook (he didn't play the game, but he did enjoy reading the rulebooks). Harry desperately didn't want to miss a single item for sale, in case it was one of the three you needed to complete the cycle of infinite *wish* spells.

Then Harry spotted something that made him, entirely without thinking, veer off from the Deputy Headmistress and start heading straight into the shop, a front of blue bricks with bronze-metal trim. He was brought back to reality only when Professor McGonagall stepped right in front of him.

"Mr. Potter?" she said.

Harry blinked, then realised what he'd just done. "I'm sorry! I forgot for a moment that I was with you instead of my family." Harry gestured at the shop window, which displayed fiery letters that shone piercingly bright and yet remote, spelling out *Bigham's Brilliant Books*. "When you walk past a bookshop you haven't visited before, you have to go in and look around. That's the family rule."

"That is the most Ravenclaw thing I have ever heard."

"What?"

"Nothing. Mr. Potter, our first step is to visit Gringotts, the bank of the wizarding world. Your *genetic* family vault is there, with the inheritance your *genetic* parents left you, and you'll need money for school supplies." She sighed. "And, I suppose, a certain amount of spending money for books could be excused as well. Though you might want to hold off for a time. Hogwarts has quite a large library on magical subjects. And the tower in which, I strongly suspect, you will be living, has a more broad-ranging library of its own. Any book you bought now would probably be a duplicate."

Harry nodded, and they walked on.

"Don't get me wrong, it's a *great* distraction," Harry said as his head kept swivelling, "probably the best distraction anyone has ever tried on me, but don't think I've forgotten about our pending discussion."

Professor McGonagall sighed. "Your parents—or your mother at any rate—may have been very wise not to tell you."

"So you wish that I could continue in blissful ignorance? There is a certain flaw in that plan, Professor McGonagall."

"I suppose it would be rather pointless," the witch said tightly, "when anyone on the street could tell you the story. Very well."

And she told him of He-Who-Must-Not-Be-Named, the Dark Lord, Voldemort.

"Voldemort?" Harry whispered. It should have been funny, but it wasn't. The name burned with a cold feeling, ruthlessness, diamond clarity, a hammer of pure titanium descending upon an anvil of yielding flesh. A chill swept over Harry even as he pronounced the word, and he resolved then and there to use safer terms like You-Know-Who.

The Dark Lord had raged upon wizarding Britain like a wilding wolf, tearing and rending at the fabric of their everyday lives. Other countries had wrung their hands but hesitated to intervene, whether out of apathetic selfishness or simple fear, for whichever was first among them to oppose the Dark Lord, their peace would be the next target of his terror.

(*The bystander effect*, thought Harry, thinking of Latane and Darley's experiment which had shown that you were more likely to get help if you had an epileptic fit in front of one person than in front of three. *Diffusion of responsibility*, everyone hoping that someone else would go first.)

The Death Eaters had followed in the Dark Lord's wake and in his vanguard, carrion vultures to pick at wounds, or snakes to bite and weaken. The Death Eaters were not as terrible as the Dark Lord, but they were terrible, and they were many. And the Death Eaters wielded more than wands; there was wealth within those masked ranks, and political power, and secrets held in blackmail, to paralyse a society trying to protect itself.

An old and respected journalist, Yermy Wibble, called for increased taxes and conscription. He shouted that it was absurd for the many to cower in fear of the few. His skin, only his skin, had been found nailed to the newsroom wall that next morning, next to the skins of his wife and two daughters. Everyone wished for something more to be done, and no one dared take the lead to propose it. Whoever stood out the most became the next example.

Until the names of James and Lily Potter rose to the top of that list.

And those two might have died with their wands in their hands and not regretted their choices, for they *were* heroes; but for that they had an infant child, their son, Harry Potter.

Tears were coming into Harry's eyes. He wiped them away in anger or maybe desperation, *I didn't know those people, not really, they aren't my parents now, it would be pointless to feel so sad for them—*

When Harry was done sobbing into the witch's robes, he looked up, and felt a little bit better to see tears in Professor McGonagall's eyes as well.

"So what happened?" Harry said, his voice trembling.

"The Dark Lord came to Godric's Hollow," Professor McGonagall said in a whisper. "You should have been hidden, but you were betrayed. The Dark Lord killed James, and he killed Lily, and he came in the end to you, to your cot. He cast the Killing Curse at you, and that was where it ended. The Killing Curse is formed of pure hate, and strikes directly at the soul, severing it from the body. It cannot be blocked, and whomever it strikes, they die. But you survived. You are the only person ever to survive. The Killing Curse rebounded and struck the Dark Lord, leaving only the burnt hulk of his body and a scar upon your forehead. That was the end of the terror, and we were free. That, Harry Potter, is why people want to see the scar on your forehead, and why they want to shake your hand."

The storm of weeping that had washed through Harry had used up all his tears; he could not cry again, he was done.

(And somewhere in the back of his mind was a small, small note of confusion, a sense of something wrong about that story; and it should have been a part of Harry's art to notice that tiny note, but he was distracted. For it is a sad rule that whenever you are most in need of your art as a rationalist, that is when you are most likely to forget it.)

Harry detached himself from Professor McGonagall's side. "I'll—have to think about this," he said, trying to keep his voice under control. He stared at his shoes. "Um. You can go ahead and call them my parents, if you want, you don't have to say 'genetic parents' or anything. I guess there's no reason I can't have two mothers and two fathers."

There was no sound from Professor McGonagall.

And they walked together in silence, until they came before a great white building with vast bronze doors, and carven words above saying *Gringotts Bank*.

## CHAPTER FOUR

# THE EFFICIENT MARKET HYPOTHESIS

Heaps of gold Galleons. Stacks of silver Sickles. Piles of bronze Knuts. Harry stood there, and stared with his mouth open at the family vault. He had so many questions he didn't know *where* to start.

From just outside the door of the vault, Professor McGonagall watched him, seeming to lean casually against the wall, but her eyes intent. Well, that made sense. Being plopped in front of a giant heap of gold coins was a test of character so pure it was archetypal.

"Are these coins the pure metal?" Harry said finally.

"What?" hissed the goblin Griphook, who was waiting near the door. "Are you questioning the integrity of Gringotts, Mr. Potter-Evans-Verres?"

"No," said Harry absently, "not at all, sorry if that came out wrong, sir. I just have no idea at all how your financial system works. I'm asking if Galleons in general are made of pure gold."

"Of course," said Griphook.

"And can anyone coin them, or are they issued by a monopoly that thereby collects seigniorage?"

"What?" said Professor McGonagall.

Griphook grinned, showing sharp teeth. "Only a fool would trust any but goblin coin!"

"In other words," Harry said, "the coins aren't supposed to be worth any more than the metal making them up?"

Griphook stared at Harry. Professor McGonagall looked bemused.

"I mean, suppose I came in here with a ton of silver. Could I get a ton of Sickles made from it?"

"For a fee, Mr. Potter-Evans-Verres." The goblin watched him with glittering eyes. "For a certain fee. Where would you find a ton of silver, I wonder?"

"I was speaking hypothetically," Harry said. *For now, at any rate.* "So... how much would you charge in fees, as a fraction of the whole weight?"

Griphook's eyes were intent. "I would have to consult my superiors..."

"Give me a wild guess. I won't hold Gringotts to it."

"A twentieth part of the metal would well pay for the coining."

Harry nodded. "Thank you very much, Mr. Griphook."

*So not only is the wizarding economy almost completely decoupled from the Muggle economy, no one here has ever heard of arbitrage.* The larger Muggle economy had a fluctuating trading range of gold to silver, so every time the Muggle gold-to-silver ratio got more than 5% away from the weight of seventeen Sickles to one Galleon, either gold or silver should have drained from the wizarding economy until it became impossible to maintain the exchange rate. Bring in a ton of silver, change to Sickles (and pay 5%), change the Sickles for Galleons, take the gold to the Muggle world, exchange it for more silver than you started with, and repeat.

Wasn't the Muggle gold to silver ratio somewhere around fifty to one? Harry didn't think it was seventeen, anyway. And it looked like the silver coins were actually *smaller* than the gold coins.

Then again, Harry was standing in a bank that *literally* stored your money in vaults full of gold coins guarded by dragons, where you had to go in and take coins out of your vault whenever you wanted to spend money. The finer points of arbitraging away market inefficiencies might well be lost on them. He'd been tempted to make snide remarks about the crudity of their financial system...

*But the sad thing is, their way is probably better.*

On the other hand, one competent hedge fundie could probably own the whole wizarding world within a week. Harry filed away this notion in case he ever ran out of money, or had a week free.

Meanwhile, the giant heaps of gold coins within the Potter vault ought to suit his near-term requirements.

Harry stumped forward, and began picking up gold coins with one hand and dumping them into the other.

When he had reached twenty, Professor McGonagall coughed. "I think that will be more than enough to pay for your school supplies, Mr. Potter."

"Hm?" Harry said, his mind elsewhere. "Hold on, I'm doing a Fermi calculation."

"A *what?*" said Professor McGonagall, sounding somewhat alarmed.

"It's a mathematical thing. Named after Enrico Fermi. A way of getting rough numbers quickly in your head..."

Twenty gold Galleons weighed a tenth of a kilogram, maybe? And gold was, what, ten thousand British pounds a kilogram? So a Galleon would be worth about fifty pounds... The mounds of gold coins looked to be about sixty coins high and twenty coins wide in either dimension of the base, and a mound was pyramidal, so it would be around one-third of the cube. Eight thousand Galleons per mound, roughly, and there were around five mounds of that size, so forty thousand Galleons or 2 million pounds sterling.

Not bad. Harry smiled with a certain grim satisfaction. It was too bad that he was right in the middle of discovering the amazing new world of magic, and couldn't take time out to explore the amazing new world of being rich, which a quick Fermi estimate said was roughly a billion times less interesting.

*Still, that's the last time I ever mow a lawn for one lousy pound.*

Harry wheeled from the giant heap of money. "Pardon me for asking, Professor McGonagall, but I understand that my parents were in their twenties when they died. Is this a *usual* amount of money for a young couple to have in their vault, in the wizarding world?" If it was, a cup of tea probably cost five thousand pounds. Rule one of economics: you can't eat money.

Professor McGonagall shook her head. "Your father was the last heir of an old family, Mr. Potter. It's also possible..." The witch hesitated. "Some of this money may be from bounties placed on You-Know-Who, payable to his ki—ah, to whoever might defeat him. Or those bounties might not have been collected yet. I am not sure."

"Interesting..." Harry said slowly. "So some of this really is, in a sense, mine. That is, earned by me. Sort of. Possibly. Even if I don't remember the occasion." Harry's fingers tapped against his trouser-leg. "That makes me feel less guilty about spending *a very tiny fraction of it!* Don't panic, Professor McGonagall!"

"Mr. Potter! You are a minor, and as such, you will only be allowed to make *reasonable* withdrawals from—"

"I am *all about* reasonable! I am totally on board with fiscal prudence and impulse control! But I *did* see some things on the way here which would constitute *sensible, grown-up* purchases..."

Harry locked gazes with Professor McGonagall, engaging in a silent staring contest.

"Like what?" Professor McGonagall said finally.

"Trunks whose insides hold more than their outsides?"

Professor McGonagall's face grew stern. "Those are *very* expensive, Mr. Potter!"

"Yes, but—" Harry pleaded. "I'm sure that when I'm an adult I'll want one. And I *can* afford one. Logically, it would make just as much sense to buy it now instead of later, and get the use of it right away. It's the same money either way, right? I mean, I *would* want a good one, with *lots* of room inside, good enough that I wouldn't have to just get a better one later..." Harry trailed off hopefully.

Professor McGonagall's gaze didn't waver. "And just what would you *keep* in a trunk like that, Mr. Potter—"

"Books."

"Of course," sighed Professor McGonagall.

"You should have told me *much earlier* that sort of magic item existed! And that I could afford one! Now my father and I are going to have to spend the next two days *frantically* hitting up all the secondhand bookshops for old textbooks, so I can have a decent science library with me at Hogwarts—and maybe a small science fiction collection, if I can assemble something decent out of the bargain bins. Or better yet, I'll make the deal a little sweeter for you, okay? Just let me buy—"

"Mr. Potter! You think you can *bribe* me?"



"What? No! Not like that! I'm saying, Hogwarts can keep some of the books I bring, if you think that any of them would make good additions to the library. I'm going to be getting them cheap, and *I* just want to have them around somewhere or other. It's okay to bribe people with *books*, right? That's a—"

"Family tradition."

"Yes, exactly."

Professor McGonagall's body seemed to slump, the shoulders lowering within her black robes. "I cannot deny the sense of your words, though I much wish I could. I will allow you to withdraw an additional hundred Galleons, Mr. Potter." She sighed again. "I *know* that I shall regret this, and I am doing it anyway."

"That's the spirit! And does a 'mokeskin pouch' do what I think it does?"

"It can't do as much as a trunk," the witch said with visible reluctance, "but... a mokeskin pouch with a Retrieval Charm and Undetectable Extension Charm can hold a number of items until they are called forth by the one who emplaced them—"

"Yes! I definitely need one of those too! It would be like the super belt-pack of ultimate awesomeness! Batman's utility belt of holding! Never mind my swiss army knife, I could carry a whole tool set in there! Or *books*! I could have the top three books I was reading on me at all times, and just pull one out anywhere! I'll never have to waste another minute of my life! What do you say, Professor McGonagall? It's for the sake of children's reading, the best of all possible causes."

"...I suppose you may add another ten Galleons."

Griphook was favouring Harry with a gaze of frank respect, possibly even outright admiration.

"And a little spending money, like you mentioned earlier. I think I can remember seeing one or two other things I might want to store in that pouch."

"Don't push it, Mr. Potter."

"But oh, Professor McGonagall, why rain on my parade? Surely this is a *happy* day, when I discover all things wizarding for the first time! Why act the part of the grumpy grownup when instead you could smile and

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## CHAPTER 4

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remember your own innocent childhood, watching the look of delight upon my young face as I buy a few toys using an insignificant fraction of the wealth that I earned by defeating the most terrible wizard Britain has ever known, not that I'm accusing you of being ungrateful or anything, but still, what are a few toys compared to that?"

"*You*," growled Professor McGonagall. There was a look on her face so fearsome and terrible that Harry squeaked and stepped back, knocking over a pile of gold coins with a great jingling noise and sprawling backwards into a heap of money. Griphook sighed and put a palm over his face. "I would be doing a great service to wizarding Britain, Mr. Potter, if I locked you in this vault and left you here."

And they left without any more trouble.

## CHAPTER FIVE

# THE FUNDAMENTAL ATTRIBUTION ERROR

The Moke Shop was a quaint little shop (some might even say cute) ensconced behind a vegetable stall that was behind a magical glove shop that was on an alleyway off a side street of Diagon Alley. Disappointingly, the shopkeeper was not a wizened ancient crone; just a nervous-looking young woman wearing faded yellow robes. Right now she was holding out a Moke Super Pouch QX31, whose selling point was that it had a Widening Lip as well as an Undetectable Extension Charm: you could actually fit big things in it, though the total volume was still limited.

Harry had *insisted* on coming here straight away, first thing—insisted as hard as he thought he could without making Professor McGonagall suspicious. Harry had something he needed to put into the pouch as soon as possible. It wasn't the bag of Galleons that Professor McGonagall had allowed him to withdraw from Gringotts. It was all the other Galleons that Harry had surreptitiously shoved into his pocket after falling into a heap of gold coins. That *had* been a real accident, but Harry was never one to discard an opportunity... though it'd really been more of a spur-of-the-moment thing. Ever since Harry had been awkwardly carrying the allowed bag of Galleons next to his trouser pocket, so that any jingling would seem to come from the right place.

This still left the question of how he was actually going to get the *other* coins into the pouch without getting caught. The golden coins might have been his, but they were still stolen—self-stolen? Auto-thieved?

Harry looked up from the Moke Super Pouch QX31 on the counter in front of him. "Can I try this for a bit? To make sure it works, um, reliably?" He widened his eyes in an expression of boyish, playful innocence.

Sure enough, after ten repetitions of putting the coin-bag into the pouch, reaching in, whispering "bag of gold", and taking it out, Professor McGonagall took a step away and began examining some of the other items in the shop, and the shopkeeper turned her head to watch.

Harry dropped the bag of gold into the makeskin pouch with his *left* hand; his *right* hand came out of his pocket tightly holding some of the gold coins, reached into the makeskin pouch, dropped the loose Galleons, and (with a whisper of "bag of gold") retrieved the original bag. Then the bag went back into his *left* hand, to be dropped in again, and Harry's *right* hand went back into his pocket...

Professor McGonagall looked back at him once, but Harry managed to avoid freezing or flinching, and she didn't seem to notice anything. Though you never *did* quite know, with the adults that had a sense of humour. It took three iterations to get the job done, and Harry guessed he'd managed to steal maybe thirty Galleons from himself.

Harry reached up, wiped a bit of sweat from his forehead, and exhaled. "I'd like this one, please."

Fifteen Galleons lighter (twice the price of a wizard's wand, apparently) and one Moke Super Pouch QX31 heavier, Harry and Professor McGonagall pushed their way out of the door. The door formed a hand and waved goodbye to them as they left, extruding its arm in a way that made Harry feel a bit queasy.

And then, unfortunately...

"Are you *really* Harry Potter?" whispered the old man, one huge tear sliding down his cheek. "You wouldn't lie about that, would you? Only I'd heard rumours that you didn't *really* survive the Killing Curse and that's why no one ever heard from you again."

...it seemed that Professor McGonagall's disguise spell was less than perfectly effective against more experienced magical practitioners.

Professor McGonagall had laid a hand on Harry's shoulder and yanked him into the nearest alleyway the moment she'd heard "Harry

Potter?" The old man had followed, but at least it looked like no one else had heard.

Harry considered the question. *Was he really Harry Potter?* "I only know what other people have told me," Harry said. "It's not like I remember being born." His hand brushed his forehead. "I've had this scar as long as I remember, and I've been told my name was Harry Potter as long as I remember. But," Harry said thoughtfully, "if there's already sufficient cause to postulate a conspiracy, there's no reason why they wouldn't just find another orphan and raise him to believe that *he* was Harry Potter—"

Professor McGonagall drew her hand over her face in exasperation. "You look just about exactly like your father, James, the year he first attended Hogwarts. And I can attest on the basis of *personality alone* that you are related to the Scourge of Gryffindor."

"*She* could be in on it too," Harry observed.

"No," quavered the old man. "She's right. You have your mother's eyes."

"Hmm," Harry frowned. "I suppose *you* could be in on it too—"

"Enough, Mr. Potter."

The old man raised up a hand as if to touch Harry, but then let it fall. "I'm just glad that you're alive," he murmured. "Thank you, Harry Potter. Thank you for what you did... I'll leave you alone now."

And his cane slowly tapped away, out the alley and down the main street of Diagon Alley.

The Professor looked around, her expression tense and grim. Harry automatically looked around himself. But the alley seemed empty of all but old leaves, and from the mouth leading out into Diagon Alley, only swiftly striding passersby could be seen.

Finally Professor McGonagall seemed to relax. "That was not well done," she said in a low voice. "I know you're not used to this, Mr. Potter, but people do care about you. Please be kind to them."

Harry looked down at his shoes. "They shouldn't," he said with a tinge of bitterness. "Care about me, I mean."

"You saved them from You-Know-Who," said Professor McGonagall. "How should they not care?"

Harry looked up at the witch-lady's strict expression beneath her pointed hat, and sighed. "I suppose there's no chance that if I said *fundamental attribution error* you'd have any idea what that meant."

"No," said the Professor in her precise Scottish accent, "but please explain, Mr. Potter, if you would be so kind."

"Well..." Harry said, trying to figure out how to describe that particular bit of Muggle science. "Suppose you come into work and see your colleague kicking his desk. You think, 'what an angry person he must be'. Your colleague is thinking about how someone bumped him into a wall on the way to work and then shouted at him. *Anyone* would be angry at that, he thinks. When we look at others we see personality traits that explain their behaviour, but when we look at ourselves we see circumstances that explain our behaviour. People's stories make internal sense to them, from the inside, but we don't see people's histories trailing behind them in the air. We only see them in one situation, and we don't see what they would be like in a different situation. So the fundamental attribution error is that we explain by permanent, enduring traits what would be better explained by circumstance and context." There were some elegant experiments which confirmed this, but Harry wasn't about to go into them.

The witch's eyebrows drew up beneath her hat's brim. "I think I understand..." Professor McGonagall said slowly. "But what does that have to do with you?"

Harry kicked the brick wall of the alley hard enough to make his foot hurt. "People think that I saved them from You-Know-Who because I'm some kind of great warrior of the Light."

"The one with the power to vanquish the Dark Lord..." murmured the witch, a strange irony leavening her voice.

"Yes," Harry said, annoyance and frustration warring in him, "like I destroyed the Dark Lord because I have some kind of permanent, enduring destroy-the-Dark-Lord trait. I was fifteen months old at the time! I don't *know* what happened, but I would *suppose* it had something to do with, as the saying goes, contingent environmental circumstances. And certainly nothing to do with my personality. People don't care about *me*, they aren't even paying attention to *me*, they want to shake hands with a *bad explanation*." Harry paused, and looked at McGonagall. "Do *you* know

what really happened?"

"I *have* formed an idea..." said Professor McGonagall. "After meeting you, that is."

"Yes?"

"You triumphed over the Dark Lord by being more awful than *he* was, and survived the Killing Curse by being more terrible than Death."

"Ha. Ha. Ha." Harry kicked the wall again.

Professor McGonagall chuckled. "Let's get you to Madam Malkin's next. I fear your Muggle clothing may be attracting attention."

They ran into two more well-wishers along the way.

Madam Malkin's Robes had a genuinely boring shopfront, red ordinary brick, and glass windows showing plain black robes within. Not robes that shone or changed or spun, or radiated strange rays that seemed to go right through your shirt and tickle you. Just plain black robes, that was all you could see through the window. The door was propped wide open, as if to advertise that there were no secrets here and nothing to hide.

"I'm going to go off for a few minutes while you get fitted for your robes," said Professor McGonagall. "Will you be all right with that, Mr. Potter?"

Harry nodded. He hated clothes shopping with a fiery passion and couldn't blame the older witch for feeling the same way.

Professor McGonagall's wand came out of her sleeve, tapped Harry's head lightly. "And as you'll need to be clear to Madam Malkin's senses, I am removing the Obfuscation."

"Uh..." Harry said. That did worry him a little; he still wasn't used to the 'Harry Potter' thing.

"I went to Hogwarts with Madam Malkin," McGonagall said. "Even then, she was one of the most *composed* people I knew. She wouldn't turn a hair if You-Know-Who himself walked into her shop." McGonagall's voice was reminiscent, and very approving. "Madam Malkin won't bother you, and she won't let anyone else bother you."

"Where *are* you going?" Harry inquired. "Just in case, you know, something *does* happen."

McGonagall gave Harry a hard look. "I am going *there*," she said, pointing at a building across the street which showed the sign of a wooden keg, "and buying a drink, which I desperately need. *You* are to get fitted for your robes, *nothing else*. I will come back to check up on you *shortly*, and I *expect* to find Madam Malkin's shop still standing and not in any way on fire."

Madam Malkin was a bustling old woman who didn't say a word about Harry when she saw the scar on his forehead, and she shot a sharp look at an assistant when that girl seemed about to say something. Madam Malkin got out a set of animated, writhing bits of cloth that seemed to serve as tape measures and set to work examining the medium of her art.

Next to Harry, a pale young boy with a pointed face and *awesomely cool* blonde-white hair seemed to be going through the final stages of a similar process. One of Malkin's two assistants was examining the white-haired boy and the chequerboard-gridded robe he was wearing; occasionally she would tap a corner of the robe with her wand, and the robe would loosen or tighten.

"Hello," said the boy. "Hogwarts, too?"

Harry could predict where this conversation was about to go, and he decided in a split second of frustration that enough was enough.

"Good heavens," whispered Harry, "it couldn't be." He let his eyes widen. "Your... name, sir?"

"Draco Malfoy," said Draco Malfoy, looking slightly puzzled.

"It is you! Draco Malfoy. I—I never thought I'd be so honoured, sir." Harry wished he could make tears come out of his eyes. The others usually started crying at around this point.

"Oh," said Draco, sounding a little confused. Then his lips stretched in a smug smile. "It's good to meet someone who knows his place."

One of the assistants, the one who'd seemed to recognise Harry, made a muffled choking sound.

Harry bumbled on. "I'm delighted to meet you, Mr. Malfoy. Just unutterably delighted. And to be attending Hogwarts in your very year! It makes my heart swoon."

Oops. That last part might have sounded a little odd, like he was flirting with Draco or something.



"And I am pleased to learn that I shall be treated with the respect due to the family of Malfoy," the other boy lobbed back, accompanied by a smile such as the highest of kings might bestow upon the least of his subjects, if that subject were honest, though poor.

Eh... Damn, Harry was having trouble thinking up his next line. Well, everyone *did* want to shake the hand of Harry Potter, so—"When my clothes are fitted, sir, might you deign to shake my hand? I should wish nothing more to put the capper upon this day, nay, this month, indeed, my whole lifetime."

The white-blond-haired boy glared in return. "And what have you done for the Malfoys that entitles you to such a favour?"

*Oh, I am so totally trying this routine on the next person who wants to shake my hand.* Harry bowed his head. "No, no, sir, I understand. I'm sorry for asking. I should be honoured to clean your boots, rather."

"Indeed," snapped the other boy. His stern face lightened somewhat. "Tell me, what House do you think you might be sorted into? I'm bound for Slytherin House, of course, like my father Lucius before me. And for you, I'd guess House Hufflepuff, or possibly House Elf."

Harry grinned sheepishly. "Professor McGonagall says that I'm the most Ravenclaw person she's ever seen or heard tell of in legend, so much so that Rowena herself would tell me to get out more, whatever *that* means, and that I'll undoubtedly end up in Ravenclaw House if the hat isn't screaming too loudly for the rest of us to make out any words, end quote."

"Wow," said Draco Malfoy, sounding slightly impressed. The boy gave a sort of wistful sigh. "Your flattery was great, or I thought so, anyway—you'd do well in Slytherin House, too. Usually it's only my father who gets that sort of grovelling. I'm *hoping* the other Slytherins will suck up to me now I'm at Hogwarts... I guess this is a good sign, then."

Harry coughed. "Actually, sorry, I've got no idea who you are really."

"*Oh come on!*" the boy said with fierce disappointment. "Why'd you go and do that, then?" Draco's eyes widened with sudden suspicion. "And how do you *not* know about the Malfoys? And what are those *clothes* you're wearing? Are your parents *Muggles*?"

"Two of my parents are dead," Harry said. His heart twinged. When he put it that way—"My other two parents are Muggles, and they're the ones that raised me."

"*What?*" said Draco. "Who *are* you?"

"Harry Potter, pleased to meet you."

"*Harry Potter?*" gasped Draco. "*The Harry—*" and the boy cut off abruptly.

There was a brief silence.

Then, with bright enthusiasm, "Harry Potter? *The* Harry Potter? Gosh, I've always wanted to meet you!"

Draco's attendant emitted a sound like she was strangling but kept on with her work, lifting Draco's arms to carefully remove the chequered robe.

"Shut up," Harry suggested.

"Can I have your autograph? No, wait, I want a picture with you first!"

"*Shutupshutupshutup.*"

"I'm just so *delighted* to meet you!"

"Burst into flames and die."

"But you're Harry Potter, the glorious saviour of the wizarding world! Everyone's hero, Harry Potter! I've always wanted to be just like you when I grow up so I can—"

Draco cut off the words in mid-sentence, his face freezing in absolute horror.

Tall, white-haired, coldly elegant in black robes of the finest quality. One hand gripping a silver-handled cane which took on the character of a deadly weapon just by being in that hand. His eyes regarded the room with the dispassionate quality of an executioner, a man to whom killing was not painful, or even deliciously forbidden, but just a routine activity like breathing.

That was the man who had, just that moment, strolled in through the open door.

"Draco," said the man, low and very angry, "*what* are you *saying?*"

In one split second of sympathetic panic, Harry formulated a rescue plan.

"Lucius Malfoy!" gasped Harry Potter. "*The* Lucius Malfoy?"

One of Malkin's assistants had to turn away and face the wall.

Coolly murderous eyes regarded him. "Harry Potter."

"I am so, so honoured to meet you!"

The dark eyes widened, shocked surprise replacing deadly threat.

"Your son has been telling me *all* about you," Harry gushed on, hardly even knowing what was coming out of his mouth but just talking as fast as possible. "But of course I knew about you all before then, everyone knows about you, the great Lucius Malfoy! The most honoured laureate of all the House of Slytherin, I've been thinking about trying to get into Slytherin House myself just because I heard you were in it as a child—"

"*What are you saying, Mr. Potter?*" came a near-scream from outside the shop, and Professor McGonagall burst in a second later.

There was such pure horror on her face that Harry's mouth opened automatically, and then blocked on nothing-to-say.

"Professor McGonagall!" cried Draco. "Is it really you? I've heard so much about you from my father, I've been thinking of trying to get Sorted into Gryffindor so I can—"

"*What?*" bellowed Lucius Malfoy and Professor McGonagall in perfect unison, standing side-by-side. Their heads swivelled to look at each other in duplicate motions, and then the two recoiled from one another as though performing a synchronised dance.

There was a sudden flurry of action as Lucius seized Draco and dragged him out of the shop.

And then there was silence.

In Professor McGonagall's left hand lay a small drinking-glass, tilted over to one side in the forgotten rush, now slowly dripping drops of alcohol into the tiny puddle of red wine that had appeared on the floor.

Professor McGonagall strode forward into the shop until she was opposite Madam Malkin.

"Madam Malkin," said Professor McGonagall, her voice calm. "What has been happening here?"

Madam Malkin looked back silently for four seconds, and then cracked up. She fell against the wall, wheezing out laughter, and that set off both of her assistants, one of whom fell to her hands and knees on the floor, giggling hysterically.

Professor McGonagall slowly turned to look at Harry, her expression chilly. "I leave you alone for six minutes. Six minutes, Mr. Potter, by the very clock."

"I was only joking around," Harry protested, as the sounds of hysterical laughter went on nearby.

"*Draco Malfoy said in front of his father that he wanted to be sorted into Gryffindor! Joking around isn't enough to do that!*" Professor McGonagall paused, visibly taking breaths. "What part of 'get fitted for robes' sounded to you like *please cast a Confundus Charm on the entire universe!*"

"He was in a situational context where those actions made internal sense—"

"No. Don't explain. I don't want to know what happened in here, ever. Whatever dark power inhabits you, it is *contagious*, and I don't want to end up like poor Draco Malfoy, poor Madam Malkin and her two poor assistants."

Harry sighed. It was clear that Professor McGonagall wasn't in a mood to listen to reasonable explanations. He looked at Madam Malkin, who was still wheezing against the wall, and Malkin's two assistants, who had now *both* fallen to their knees, and finally down at his own tape-measure-draped body.

"I'm not quite done being fitted for clothes," Harry said kindly. "Why don't you go back and have another drink?"

## CHAPTER SIX

# THE PLANNING FALLACY

**S**ome children would have waited until *after* their first trip to Diagon Alley.

“Bag of element 79,” Harry said, and withdrew his hand, empty, from the mokeskin pouch.

Most children would have at least waited to get their *wands* first.

“Bag of *okane*,” said Harry. The heavy bag of gold popped up into his hand.

Harry withdrew the bag, then plunged it again into the mokeskin pouch. He took out his hand, put it back in, and said, “Bag of tokens of economic exchange.” That time his hand came out empty.

“Give me back the bag that I just put in.” Out came the bag of gold once more.

Harry James Potter-Evans-Verres had gotten his hands on at least one magical item. Why wait?

“Professor McGonagall,” Harry said to the bemused witch strolling beside him, “can you give me two words, one word for gold, and one word for something else that isn’t money, in a language that I wouldn’t know? But don’t tell me which is which.”

“*Ahava* and *zahav*,” said Professor McGonagall. “That’s Hebrew, and the other word means love.”

“Thank you, Professor. Bag of *ahava*.” Empty.

“Bag of *zahav*.” And it popped up into his hand.

“*Zahav* is gold?” Harry questioned, and Professor McGonagall nodded.

Harry thought over his collected experimental data. It was only the most crude and preliminary sort of effort, but it was enough to support at least one conclusion:

*"Aaaaaaarrgh this doesn't make any sense!"*

The witch beside him lifted a lofty eyebrow. "Problems, Mr. Potter?"

"I just falsified every single hypothesis I had! How can it know that 'bag of 115 Galleons' is okay but not 'bag of 90 plus 25 Galleons'? It can *count* but it can't *add*? It can understand nouns, but not some noun phrases that mean the same thing? The person who made this probably didn't speak Japanese and *I* don't speak any Hebrew, so it's not using *their* knowledge, and it's not using *my* knowledge—" Harry waved a hand helplessly. "The rules seem *sorta* consistent but they don't *mean* anything! I'm not even going to ask how a *pouch* ends up with voice recognition and natural language understanding when the best Artificial Intelligence programmers can't get the fastest supercomputers to do it after thirty-five years of hard work," Harry gasped for breath, "but *what* is going on?"

"Magic," said Professor McGonagall.

"That's just a *word*! Even after you tell me that, I can't make any new predictions! It's exactly like saying 'phlogiston' or 'elan vital' or 'emergence' or 'complexity'!"

The black-robed witch laughed aloud. "But it *is* magic, Mr. Potter."

Harry slumped over a little. "With respect, Professor McGonagall, I'm not quite sure you understand what I'm trying to do here."

"With respect, Mr. Potter, I'm quite sure I don't. Unless—this is just a guess, mind—you're trying to take over the world?"

"No! I mean yes—well, *no*!"

"I think I should perhaps be alarmed that you have trouble answering the question."

Harry glumly considered the Dartmouth Conference on Artificial Intelligence in 1956. It had been the first conference ever on the topic, the one that had coined the phrase "Artificial Intelligence". They had identified key problems such as making computers understand language, learn, and improve themselves. They had suggested, in perfect seriousness, that significant advances on these problems might be made by ten scientists working together for two months.

No. *Chin up*. You're just starting on the problem of unravelling all the secrets of magic. You don't actually know whether it's going to be too difficult to do in two months.

"And you *really* haven't heard of other wizards asking these sorts of questions or doing this sort of scientific experimenting?" Harry asked again. It just seemed so *obvious* to him.

Then again, it'd taken more than two hundred years *after* the invention of the scientific method before any Muggle scientists had thought to systematically investigate which sentences a *human four-year-old* could or couldn't understand. The developmental psychology of linguistics could've been discovered in the eighteenth century, in principle, but no one had even thought to look until the twentieth. So you couldn't really blame the much smaller wizarding world for not investigating the Retrieval Charm.

Professor McGonagall pursed her lips, then shrugged. "I'm still not sure what you mean by 'scientific experimenting', Mr. Potter. As I said, I've seen Muggleborn students try to get Muggle science to work inside Hogwarts, and people invent new Charms and Potions every year."

Harry shook his head. "Technology isn't the same thing as science at all. And trying lots of different ways to do something isn't the same as experimenting to figure out the rules." There were plenty of people who'd tried to invent flying machines by trying out lots of things-with-wings, but only the Wright Brothers had built a wind tunnel to measure lift... "Um, how many Muggle-raised children *do* you get at Hogwarts every year?"

"Perhaps ten or so?"

Harry missed a step and almost tripped over his own feet. "*Ten?*"

The Muggle world had a population of six billion and counting. If you were one in a million, there were seven of you in London and a thousand more in China. It was inevitable that the Muggle population would produce *some* eleven-year-olds who could do calculus—Harry knew he wasn't the only one. He'd met other prodigies in mathematical competitions. In fact he'd been thoroughly trounced by competitors who probably spent literally *all day* practising maths problems and who'd *never* read a science-fiction book and who would burn out *completely* before *puberty*

and *never* amount to *anything* in their future lives because they'd just practised *known* techniques instead of learning to think *creatively*. (Harry was something of a sore loser.)

But... in the wizarding world...

Ten Muggle-raised children per year, who'd all ended their Muggle educations at the age of eleven? And Professor McGonagall might be bi-ased, but she had claimed that Hogwarts was the largest and most eminent wizarding school in the world... and it only educated up to the age of seventeen.

Professor McGonagall undoubtedly knew every last detail of how you went about turning into a cat. But she seemed to have literally never *heard* of the scientific method. To her it was just Muggle magic. And she didn't even seem *curious* about what secrets might be hiding behind the natural language understanding of the Retrieval Charm.

That left two possibilities, really.

Possibility one: Magic was so incredibly opaque, convoluted, and impenetrable, that even though wizards and witches had tried their best to understand, they'd made little or no progress and eventually given up; and Harry would do no better.

Or...

Harry cracked his knuckles in determination, but they only made a quiet sort of clicking sound, rather than echoing ominously off the walls of Diagon Alley.

Possibility two: He'd be taking over the world.

Eventually. Perhaps not right away.

That sort of thing *did* sometimes take longer than two months. Muggle science hadn't gone to the moon in the first week after Galileo.

But Harry still couldn't stop the huge smile that was stretching his cheeks so wide they were starting to hurt.

Harry had always been frightened of ending up as one of those child prodigies that never amounted to anything and spent the rest of their lives boasting about how far ahead they'd been at age ten. But then most adult geniuses never amounted to anything either. There were probably a thousand people as intelligent as Einstein for every actual Einstein in history. Because those other geniuses hadn't gotten their hands on the



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## THE PLANNING FALLACY

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one thing you absolutely needed to achieve greatness. They'd never found an important problem.

*You're mine now*, Harry thought at the walls of Diagon Alley, and all the shops and items, and all the shopkeepers and customers; and all the lands and people of wizarding Britain, and all the wider wizarding world; and the entire greater universe of which Muggle scientists understood so much less than they believed. *I, Harry James Potter-Evans-Verres, do now claim this territory in the name of Science.*

Lightning and thunder completely failed to flash and boom in the cloudless skies.

"What are you smiling about?" inquired Professor McGonagall, warily and wearily.

"I'm wondering if there's a spell to make lightning flash in the background whenever I make an ominous resolution," explained Harry. He was carefully memorising the exact words of his ominous resolution so that future history books would get it right.

"I have the distinct feeling that I ought to be doing something about this," sighed Professor McGonagall.

"Ignore it, it'll go away. Ooh, shiny!" Harry put his thoughts of world conquest temporarily on hold and skipped over to a shop with an open display, and Professor McGonagall followed.

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Harry had now bought his potions ingredients and cauldron, and, oh, a few more things. Items that seemed like good things to carry in Harry's Bag of Holding (aka Moke Super Pouch QX31 with Undetectable Extension Charm, Retrieval Charm, and Widening Lip). Smart, sensible purchases.

Harry genuinely didn't understand why Professor McGonagall was looking so *suspicious*.

Right now, Harry was in a shop expensive enough to display in the twisting main street of Diagon Alley. The shop had an open front with merchandise laid out on slanted wooden rows, guarded only by slight

grey glows and a young-looking salesgirl in a much-shortened version of witch's robes that exposed her knees and elbows.

Harry was examining the wizarding equivalent of a first-aid kit, the Emergency Healing Pack Plus. There were two self-tightening tourniquets. A syringe of what looked like liquid fire, which was supposed to drastically slow circulation in a treated area while maintaining oxygenation of the blood for up to three minutes, if you needed to prevent a poison from spreading through the body. White cloth that could be wrapped over a part of the body to temporarily numb pain. Plus any number of other items that Harry totally failed to comprehend, like the "Dementor Exposure Treatment", which looked and smelled like ordinary chocolate. Or the "Bafflesnaffle Counter", which looked like a small quivering egg and carried a placard showing how to jam it up someone's nostril.

"A definite buy at five Galleons, wouldn't you agree?" Harry said to Professor McGonagall, and the teenage salesgirl hovering nearby nodded eagerly.

Harry had expected the Professor to make some sort of approving remark about his prudence and preparedness.

What he was getting instead could only be described as the Evil Eye.

"And just *why*," Professor McGonagall said with heavy scepticism, "do you expect to *need* a healer's kit, young man?" (After the unfortunate incident at the Potions shop, Professor McGonagall was trying to avoid saying "Mr. Potter" while anyone else was nearby.)

Harry's mouth opened and closed. "I don't *expect* to need it! It's just in case!"

"Just in case of *what*?"

Harry's eyes widened. "You think I'm *planning* to do something dangerous and *that's* why I want a medical kit?"

A look of grim suspicion and ironic disbelief was the answer.

"Great Scott!" said Harry. (This was an expression he'd learned from the mad scientist Doc Brown in *Back to the Future*.) "Were you also thinking that when I bought the Feather-Falling Potion, the Gillyweed, and the bottle of Food and Water Pills?"

"Yes."

Harry shook his head in amazement. "Just what sort of plan do you think I have *going*, here?"

"I don't know," Professor McGonagall said darkly, "but it ends either in you delivering a ton of silver to Gringotts, or in world domination."

"World domination is such an ugly phrase. I prefer to call it world optimisation."

This hilarious joke failed to reassure the witch giving him the Look of Doom.

"Wow," Harry said, as he realised that she was serious. "You really think that. You really think I'm planning to do something dangerous."

"Yes."

"Like that's the *only* reason anyone would ever buy a first-aid kit? Don't take this the wrong way, Professor McGonagall, but *what sort of crazy children are you used to dealing with?*"

"Gryffindors," spat Professor McGonagall, the word carrying a freight of bitterness and despair that fell like an eternal curse on all youthful enthusiasm and high spirits.

"Deputy Headmistress Professor Minerva McGonagall," Harry said, putting his hands sternly on his hips. "I am not going to be in Gryffindor—"

At this point the Deputy Headmistress interjected something about how if he *was* she would figure out how to kill a hat, which odd remark Harry let pass without comment, though the salesgirl seemed to be having a sudden coughing fit.

"—I am going to be in Ravenclaw. And if you really think that I'm planning to do something dangerous, then, honestly, you don't understand me *at all*. I don't *like* danger, it is *scary*. I am being *prudent*. I am being *cautious*. I am preparing for *unforeseen contingencies*. Like my parents used to sing to me: *Be prepared! That's the Boy Scout's marching song! Be prepared! As through life you march along! Don't be nervous, don't be flustered, don't be scared—be prepared!*"

(Harry's parents had in fact only ever sung him those *particular* lines of that Tom Lehrer song, and Harry was blissfully unaware of the rest.)

Professor McGonagall's stance had slightly softened—though mostly when Harry had said that he was heading for Ravenclaw. "What sort of

*contingency* do you imagine this kit might prepare you for, *young man*?”

“One of my classmates gets bitten by a horrible monster, and as I scrabble frantically in my mokeskin pouch for something that could help her, she looks at me sadly and with her last breath says, ‘*Why weren’t you prepared?*’ And then she dies, and I know as her eyes close that she won’t ever forgive me—”

Harry heard the salesgirl gasp, and he looked up to see her staring at him with her lips pressed tight. Then the young woman whirled and fled into the deeper recesses of the shop.

*What...?*

Professor McGonagall reached down, and took Harry’s hand in hers, gently but firmly, and pulled Harry out of the main street of Diagon Alley, leading him into an alleyway between two shops which was paved in dirty bricks and dead-ended in a wall of solid black dirt.

The tall witch pointed her wand at the main street and spoke, “*Quietus*” she said, and a screen of silence descended around them, blocking out all the street noises.

*What did I do wrong...*

Professor McGonagall turned to regard Harry. She didn’t have a full adult Wrongdoing Face, but her expression was flat, controlled. “You must remember, Mr. Potter,” she said, “that there was a war in this country not ten years ago. Everyone has lost someone, and to speak of friends dying in your arms—is not done lightly.”

“I—I didn’t mean to—” The inference dropped like a falling stone into Harry’s exceptionally vivid imagination. He’d talked about someone breathing their last breath—and then the salesgirl had run away—and the war had ended ten years ago so that girl would have been at most eight or nine years old, when, when, “I’m sorry, I didn’t mean to...” Harry choked up, and turned away to run from the older witch’s gaze but there was a wall of dirt blocking his way and he didn’t have his wand yet. “I’m sorry, I’m sorry, I’m *sorry!*”

There came a heavy sigh from behind him. “I know you are, Mr. Potter.”

Harry dared to peek behind him. Professor McGonagall only seemed sad, now. “I’m sorry,” Harry said again, feeling wretched. “Did anything

like that happen to—” and then Harry shut his lips and slapped a hand over his mouth for good measure.

The older witch’s face grew a little sadder. “You must learn to think before you speak, Mr. Potter, or else go through life without many friends. That has been the fate of many a Ravenclaw, and I hope it will not be yours.”

Harry wanted to just run away. He wanted to pull out a wand and erase the whole thing from Professor McGonagall’s memory, be back with her outside the shop again, *make it didn’t happen*—

“But to answer your question, Mr. Potter, no, nothing like *that* has ever happened to me. Certainly I’ve watched a friend breathe their last, once or seven times. But not one of them ever cursed me as they died, and I never thought that they wouldn’t forgive me. Why would you *say* such a thing, Mr. Potter? Why would you even *think* it?”

“I, I, I,” Harry swallowed. “It’s just that I always try to imagine the worst thing that could happen,” and maybe he’d also been joking around a little but he would rather have bitten off his own tongue than say that now.

“What?” said Professor McGonagall. “But *why*?”

“So I can stop it from happening!”

“Mr. Potter...” the older witch’s voice trailed off. Then she sighed, and knelt down beside him. “Mr. Potter,” she said, gently now, “it’s not your responsibility to take care of the students at Hogwarts. It’s mine. I won’t let anything bad happen to you or anyone else. Hogwarts is the safest place for magical children in all the wizarding world, and Madam Pomfrey has a full healer’s office. You won’t need a healer’s kit at all, let alone a five-Galleon one.”

“But I *do*!” Harry burst out. “*Nowhere* is perfectly safe! And what if my parents have a heart attack or get in an accident when I go home for Christmas—Madam Pomfrey won’t be there, I’ll need a healer’s kit of my own—”

“*What* in Merlin’s name...” Professor McGonagall said. She stood up, and looked down at Harry an expression torn between annoyance and concern. “There’s no need to think about such terrible things, Mr. Potter!”

Harry's expression twisted up into bitterness, hearing that. "Yes there *is*! If you don't think, you don't just get hurt yourself, you end up hurting other people!"

Professor McGonagall opened her mouth, then closed it. The witch rubbed the bridge of her nose, looking thoughtful. "Mr. Potter... if I were to offer to listen to you for a while... is there anything you'd like to talk to me about?"

"About what?"

"About why you're convinced you must always be on your guard against terrible things happening to you."

Harry stared at her in puzzlement. That was a self-evident axiom. "Well..." Harry said slowly. He tried to organise his thoughts. How *could* he explain himself to a Professor-witch, when she didn't even know the basics? "Muggle researchers have found that people are always very optimistic, compared to reality. Like they say something will take two days and it takes ten days, or they say it'll take two months and it takes over thirty-five years. For example, in one experiment, they asked students for times by which they were 50% sure, 75% sure, and 99% sure they'd complete their homework, and only 13%, 19%, and 45% of the students finished by those times. And they found that the reason was that when they asked one group for their best-case estimates if everything went as well as possible, and another group for their average-case estimates if everything went as usual, they got back answers that were statistically indistinguishable. See, if you ask someone what they expect in the *normal* case, they visualise what looks like the line of maximum probability at each step along the way—everything going according to plan, with no surprises. But actually, since more than half the students didn't finish by the time they were 99% sure they'd be done, reality usually delivers results a little worse than the 'worst-case scenario'. It's called the planning fallacy, and the best way to fix it is to ask how long things took the last time you tried them. That's called using the outside view instead of the inside view. But when you're doing something new and can't do that, you just have to be really, really, really pessimistic. Like, so pessimistic that reality actually comes out *better* than you expected around as often and as much as it comes out worse. It's actually *really hard* to be so pessimistic that you stand a decent chance

of *undershooting* real life. Like I make this big effort to be gloomy and I imagine one of my classmates getting bitten, but what actually happens is that the surviving Death Eaters attack the whole school to get at me. But on a happier note—

“Stop,” said Professor McGonagall.

Harry stopped. He had just been about to point out that at least they knew the Dark Lord wouldn’t attack, since he was dead.

“I think I might not have made myself clear,” the witch said, her precise Scottish voice sounding even more careful. “Did anything happen to *you personally* that frightened you, Mr. Potter?”

“What happened to me personally is only anecdotal evidence,” Harry explained. “It doesn’t carry the same weight as a replicated, peer-reviewed journal article about a controlled study with random assignment, many subjects, large effect sizes and strong statistical significance.”

Professor McGonagall pinched the bridge of her nose, inhaled, and exhaled. “I would still like to hear about it,” she said.

“Um...” Harry said. He took a deep breath. “There’d been some muggings in our neighborhood, and my mother asked me to return a pan she’d borrowed to a neighbor two streets away, and I said I didn’t want to because I might get mugged, and she said, ‘Harry, don’t say things like that!’ Like thinking about it would *make* it happen, so if I didn’t talk about it, I would be safe. I tried to explain why I wasn’t reassured, and she made me carry over the pan anyway. I was too young to know how statistically unlikely it was for a mugger to target me, but I was old enough to know that not-thinking about something doesn’t stop it from happening, so I was really scared.”

“Nothing else?” Professor McGonagall said after a pause, when it became clear that Harry was done. “There isn’t anything *else* that happened to you?”

“I know it doesn’t *sound* like much,” Harry defended. “But it was just one of those critical life moments, you see? I mean, I *knew* that not thinking about something doesn’t stop it from happening, I *knew* that, but I could see that Mum really thought that way.” Harry stopped, struggling with the anger that was starting to rise up again when he thought about

it. “She *wouldn’t listen*. I tried to tell her, I *begged* her not to send me out, and she *laughed it off*. Everything I said, she treated like some sort of big joke...” Harry forced the black rage back down again. “That’s when I realised that everyone who was supposed to protect me was actually crazy, and that they wouldn’t listen to me no matter how much I begged them, and that I couldn’t ever rely on them to get anything right.” Sometimes good intentions weren’t enough, sometimes you had to be sane...

There was a long silence.

Harry took the time to breathe deeply and calm himself down. There was no point in getting angry. There was no point in getting angry. *All* parents were like that, *no* adult would lower themselves far enough to place themselves on level ground with a child and listen, his genetic parents would have been no different. Sanity was a tiny spark in the night, an infinitesimally rare exception to the rule of madness, so there was no point in getting angry.

Harry didn’t like himself when he was angry.

“Thank you for sharing that, Mr. Potter,” said Professor McGonagall after a while. There was an abstracted look on her face (almost exactly the same look that had appeared on Harry’s own face while experimenting on the pouch, if Harry had only seen himself in a mirror to realise that). “I shall have to think about this.” She turned towards the alley mouthway, and raised her wand—

“Um,” Harry said, “can we go get the healer’s kit now?”

The witch paused, and looked back at him steadily. “And if I say no—that it is too expensive and you won’t need it—then what?”

Harry’s face twisted in bitterness. “Exactly what you’re thinking, Professor McGonagall. *Exactly* what you’re thinking. I conclude you’re another crazy adult I can’t talk to, and I start planning how to get my hands on a healer’s kit anyway.”

“I am your guardian on this trip,” Professor McGonagall said with a tinge of danger. “I *will not* allow you to push me around.”

“I understand,” Harry said. He kept the resentment out of his voice, and didn’t say any of the other things that came to mind. Professor McGonagall had told him to think before he spoke. He probably wouldn’t



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remember that tomorrow, but he could at least remember it for five minutes.

The witch's wand made a slight circle in her hand, and the noises of Diagon Alley came back. "All right, young man," she said. "Let's go get that healer's kit."

Harry's jaw dropped in surprise. Then he hurried after her, almost stumbling in his sudden rush.

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The shop was the same as they had left it, recognisable and unrecognisable items still laid out on the slanted wooden display, the grey glow still protecting and the salesgirl back in her old position. The salesgirl looked up as they approached, her face showing surprise.

"I'm sorry," she said as they got closer, and Harry spoke at almost the same moment, "I apologise for—"

They broke off and looked at each other, and then the salesgirl laughed a little. "I didn't mean to get you in trouble with Professor McGonagall," she said. Her voice lowered conspiratorially. "I hope she wasn't too awful to you."

"*Della!*" said Professor McGonagall, sounding scandalised.

"Bag of gold," Harry said to his pouch, and then looked back up at the salesgirl while he counted out five Galleons. "Don't worry, I understand that she's only awful to me because she loves me."

He counted out five Galleons to the salesgirl while Professor McGonagall was spluttering something unimportant. "One Emergency Healing Pack Plus, please."

It was actually sort of unnerving to see how the Widening Lip swallowed the briefcase-sized medical kit. Harry couldn't help wondering what would happen if he tried climbing into the mokeskin pouch himself, given that only the person who put something in was supposed to be able to take it out again.

When the pouch was done... eating... his hard-won purchase, Harry swore he heard a small burping sound afterward. That *had* to have been

spelled in on purpose. The alternative hypothesis was too horrifying to contemplate... in fact Harry couldn't even *think* of any alternative hypotheses. Harry looked back up at the Professor, as they began walking through Diagon Alley once more. "Where to next?"

Professor McGonagall pointed toward a shop that looked as if it had been made from flesh instead of bricks and covered in fur instead of paint. "Small pets are permitted at Hogwarts—you could get an owl to send letters, for example—"

"Can I pay a Knut or something and *rent* an owl when I need to send mail?"

"Yes," said Professor McGonagall.

"Then I think emphatically *no*."

Professor McGonagall nodded, as though ticking off a point. "Might I ask why not?"

"I had a pet rock once. It died."

"You don't think you could take care of a pet?"

"I *could*," Harry said, "but I would end up obsessing all day long about whether I'd remembered to feed it that day or if it was slowly starving in its cage, wondering where its master was and why there wasn't any food."

"That poor owl," the older witch said in a soft voice. "Abandoned like that. I wonder what it would do."

"Well, I expect it'd get really hungry and start trying to claw its way out of the cage or the box or whatever, though it probably wouldn't have much luck with that—" Harry stopped short.

The witch went on, still in that soft voice. "And what would happen to it afterward?"

"Excuse me," Harry said, and he reached up to take Professor McGonagall by the hand, gently but firmly, and steered her into yet another alleyway; after ducking so many well-wishers the process had become almost unnoticeably routine. "Please cast that silencing spell."

"*Quietus*."

Harry's voice was shaking. "That owl does *not* represent me, my parents *never* locked me in a cupboard and left me to starve, I do *not* have abandonment fears and I *don't like the trend of your thoughts*, Professor McGonagall!"

The witch looked down at him gravely. "And what thoughts would those be, Mr. Potter?"

"You think I was," Harry was having trouble saying it, "I was *abused*?"

"Were you?"

"No!" Harry shouted. "No, I never was! Do you think I'm *stupid*? I *know* about the concept of child abuse, I *know* about inappropriate touching and all of that and if anything like that happened I would call the police! And report it to the head teacher! And look up social services in the phone book! And tell Grandpa and Grandma and Mrs. Figg! But my parents *never* did anything like that, never ever *ever*! How *dare* you suggest such a thing!"

The older witch gazed at him steadily. "It is my duty as Deputy Headmistress to investigate possible signs of abuse in the children under my care."

Harry's anger was spiralling out of control into pure, black fury. "Don't you ever *dare* breathe a word of these, these *insinuations* to anyone else! *No one*, do you hear me, McGonagall? An accusation like that can ruin people and destroy families even when the parents are completely innocent! I've read about it in the newspapers!" Harry's voice was climbing to a high-pitched scream. "The *system* doesn't know how to *stop*, it doesn't believe the parents *or* the children when they say nothing happened! *Don't you dare threaten my family with that! I won't let you destroy my home!*"

"Harry," the older witch said softly, and she reached out a hand towards him—

Harry took a fast step back, and his hand snapped up and knocked hers away.

McGonagall froze, then she pulled her hand back, and took a step backwards. "Harry, it's all right," she said. "I believe you."

"*Do you*," Harry hissed. The fury still roaring through his blood. "Or are you just waiting to get away from me so you can file the papers?"

"Harry, I saw your house. I saw you with your parents. They love you. You love them. I do believe you when you say that your parents are not abusing you. But I *had* to ask, because there is something strange at work here."

Harry stared at her coldly. "Like what?"

"Harry, I've seen many abused children in my time at Hogwarts, it would break your heart to know how many. And, when you're happy, you don't behave like one of those children, not at *all*. You smile at strangers, you hug people, I put my hand on your shoulder and you didn't flinch. But sometimes, only sometimes, you say or do something that seems *very* much like... someone who spent his first eleven years locked in a cellar. Not the loving family that I saw." Professor McGonagall tilted her head, her expression growing puzzled again.

Harry took this in, processing it. The black rage began to drain away, as it dawned on him that he was being listened to respectfully, and that his family wasn't in danger.

"And how *do* you explain your observations, Professor McGonagall?"

"I don't know," she said. "But it's possible that something could have happened to you that you don't remember."

Fury rose up again in Harry. That sounded all too much like what he'd read in the newspaper stories of shattered families. "Suppressed memory is a load of *pseudoscience*! People do *not* repress traumatic memories, they remember them all *too* well for the rest of their lives!"

"No, Mr. Potter. There is a Charm called Obliviation."

Harry froze in place. "A spell that erases memories?"

The older witch nodded. "But not all the effects of the experience, if you see what I'm saying, Mr. Potter."

A chill went down Harry's spine. *That* hypothesis... could *not* be easily refuted. "But my parents couldn't do that!"

"Indeed not," said Professor McGonagall. "It would have taken someone from the wizarding world. There's... no way to be certain, I'm afraid."

Harry's rationalist skills began to boot up again. "Professor McGonagall, how sure are you of your observations, and what alternative explanations could there also be?"

The witch opened her hands, as though to show their emptiness. "Sure? I'm sure of *nothing*, Mr. Potter. In all my life I've never met anyone else like you. Sometimes you just don't seem eleven years old or even all that *human*."

Harry's eyebrows rose toward the sky—

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## THE PLANNING FALLACY

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"I'm sorry!" Professor McGonagall said quickly. "I'm very sorry, Mr. Potter. I was trying to make a point and I'm afraid that came out sounding different from what I had in mind—"

"On the contrary, Professor McGonagall," Harry said, and slowly smiled. "I shall take it as a very great compliment. But would you mind if I offered an alternative explanation?"

"Please do."

"Children aren't meant to be too much smarter than their parents," Harry said. "Or too much saner, maybe—my father could probably outsmart me if he was, you know, actually *trying*, instead of using his adult intelligence mainly to come up with new reasons not to change his mind—" Harry stopped. "I'm too smart, Professor. I've got nothing to say to normal children. Adults don't respect me enough to really talk to me. And frankly, even if they did, they wouldn't sound as smart as Richard Feynman, so I might as well read something Richard Feynman wrote instead. I'm *isolated*, Professor McGonagall. I've been isolated my whole life. Maybe that has some of the same effects as being locked in a cellar. And I'm too intelligent to look up to my parents the way that children are designed to do. My parents love me, but they don't feel obliged to respond to reason, and sometimes I feel like they're the children—children who *won't listen* and have absolute authority over my whole existence. I try not to be too bitter about it, but I also try to be *honest* with myself, so, yes, I'm bitter. And I also have an anger management problem, but I'm working on it. That's all."

"*That's all?*"

Harry nodded firmly. "That's all. Surely, Professor McGonagall, even in magical Britain, the normal explanation is always worth *considering?*"

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It was later in the day, the sun lowering in the summer sky and shoppers beginning to peter out from the streets. Some shops had already closed; Harry and Professor McGonagall had bought his textbooks from Flourish and Blotts just under the deadline. With only a slight explosion when

Harry had made a beeline for the keyword “Arithmancy” and discovered that the seventh-year textbooks invoked nothing more mathematically advanced than trigonometry.

At this moment, though, dreams of low-hanging research fruit were far from Harry’s mind.

At this moment, the two of them were walking out of Ollivander’s, and Harry was staring at his wand. He’d waved it, and produced multi-coloured sparks, which really shouldn’t have come as such an extra shock after everything else he’d seen, but somehow—

*I can do magic.*

*Me. As in, me personally. I am magical; I am a wizard.*

He had *felt* the magic pouring up his arm, and in that instant, realised that he had always had that sense, that he had possessed it his whole life, the sense that was not sight or sound or smell or taste or touch but only magic. Like having eyes but keeping them always closed, so that you didn’t even realise that you were seeing darkness; and then one day the eye opened, and saw the world. The shock of it had poured through him, touching pieces of himself, awakening them, and then died away in seconds; leaving only the certain knowledge that he was now a wizard, and always had been, and had even, in some strange way, always known it.

And—

*“It is very curious indeed that you should be destined for this wand when its brother why, its brother gave you that scar.”*

That could not *possibly* be coincidence. There had been *thousands* of wands in that shop. Well, okay, actually it *could* be coincidence, there were six billion people in the world and thousand-to-one coincidences happened every day. But Bayes’s Theorem said that any reasonable hypothesis which made it *more* likely than a thousand-to-one that he’d end up with the brother to the Dark Lord’s wand, was going to have an advantage.

Professor McGonagall had simply said *how peculiar* and left it at that, which had put Harry into a state of shock at the sheer, overwhelming *un-curiosity* of wizards and witches. In no *imaginable* world would Harry have just went “Hm” and walked out of the shop without even *trying* to come up with a hypothesis for what was going on.

His left hand rose and touched his scar.

What... *exactly*...

"You're a full wizard now," said Professor McGonagall. "Congratulations."

Harry nodded.

"And what do you think of the wizarding world?" said she.

"It's strange," Harry said. "I ought to be thinking about everything I've seen of magic... everything that I now know is possible, and everything I now know to be a lie, and all the work left before me to understand it. And yet I find myself distracted by relative trivialities like," Harry lowered his voice, "the whole Boy-Who-Lived thing." There didn't seem to be anyone nearby, but no point tempting fate.

Professor McGonagall *ahemmed*. "Really? You don't say."

Harry nodded. "Yes. It's just... *odd*. To find out that you were part of this grand story, the quest to defeat the great and terrible Dark Lord, and it's already *done*. Finished. Completely over with. Like you're Frodo Baggins and you find out that your parents took you to Mount Doom and had you toss in the Ring when you were one year old and you don't even remember it."

Professor McGonagall's smile had grown somewhat fixed.

"You know, if I were anyone else, anyone else at all, I'd probably be pretty worried about living up to that start. *Gosh, Harry, what have you done since you defeated the Dark Lord? Your own bookshop? That's great! Say, did you know I named my child after you?* But I have hopes that this will not prove to be a problem." Harry sighed. "Still... it's almost enough to make me wish that there were *some* loose ends from the quest, just so I could say that I really, you know, *participated* somehow."

"Oh?" said Professor McGonagall in an odd tone. "What did you have in mind?"

"Well, for example, you mentioned that my parents were betrayed. Who betrayed them?"

"Sirius Black," the witch said, almost hissing the name. "He's in Azkaban. Wizarding prison."

"How probable is it that Sirius Black will break out of prison and I'll have to track him down and defeat him in some sort of spectacular duel,

or better yet put a large bounty on his head and hide out in Australia while I wait for the results?"

Professor McGonagall blinked. Twice. "Not likely. No one has ever escaped from Azkaban, and I doubt that *he* will be the first."

Harry was a bit sceptical of that "*no one has ever* escaped from Azkaban" line. Still, maybe with magic you could actually get close to a 100% perfect prison, especially if you had a wand and they did not. The best way to get out would be to not go there in the first place.

"All right then," Harry said. "Sounds like it's been nicely wrapped up." He sighed, scrubbing his palm over his head. "Or maybe the Dark Lord didn't *really* die that night. Not completely. His spirit lingers, whispering to people in nightmares that bleed over into the waking world, searching for a way back into the living lands he swore to destroy, and now, in accordance with the ancient prophecy, he and I are locked in a deadly duel where the winner shall lose and the loser shall win—"

Professor McGonagall's head swivelled, and her eyes darted around, as though to search the street for listeners.

"I'm *joking*, Professor," Harry said with some annoyance. Sheesh, why did she always take everything so seriously—

A slow sinking sensation began to dawn in the pit of Harry's stomach.

Professor McGonagall looked at Harry with a calm expression. A very, *very* calm expression. Then a smile was put on. "Of course you are, Mr. Potter."

*Aw crap.*

If Harry had needed to formalise the wordless inference that had just flashed into his mind, it would have come out something like, 'If I estimate the probability of Professor McGonagall doing what I just saw as the result of carefully controlling herself, versus the probability distribution for all the things she would do *naturally* if I made a bad joke, then this behavior is significant evidence for her hiding something.'

But what Harry actually thought was, *Aw crap*.

Harry turned his own head to scan the street. Nope, no one nearby. "He's *not* dead, is he," Harry sighed.

"Mr. Potter—"



"The Dark Lord is alive. Of course he's alive. It was an *act* of utter *optimism* for me to have even *dreamed* otherwise. I *must* have taken leave of my *senses*, I can't *imagine* what I was *thinking*. Just because *someone* said that his body was found burned to a *crisp*, I can't imagine why I would have thought he was *dead*. Clearly I have much left to learn about the art of proper *pessimism*."

"Mr. Potter—"

"At least tell me there's not really a prophecy..." Professor McGonagall was still giving him that bright, fixed smile. "Oh, you have *got* to be kidding me."

"Mr. Potter, you shouldn't go inventing things to worry about—"

"Are you *actually* going to tell me *that*? Imagine my reaction later, when I find out that there was something to worry about after all."

Her fixed smile faltered.

Harry's shoulders slumped. "I have a whole world of magic to analyse. I do *not* have time for this."

Then both of them shut up, as a man in flowing orange robes appeared on the street and slowly passed them by; Professor McGonagall's eyes tracked him, unobtrusively. Harry's mouth was moving as he chewed hard on his lip, and someone watching closely would have noticed a tiny spot of blood appear.

When the orange-robed man had passed into the distance, Harry spoke again, in a low murmur. "Are you going to tell me the truth now, Professor McGonagall? And don't bother trying to wave it off, I'm not stupid."

"You're *eleven years old*, Mr. Potter!" she said in a harsh whisper.

"And therefore subhuman. Sorry... for a moment there, I *forgot*."

"These are dreadful and important matters! They are *secret*, Mr. Potter! It is a *catastrophe* that you, still a child, know even this much! You must not tell *anyone*, do you understand? Absolutely no one!"

As sometimes happened when Harry got *sufficiently* angry, his blood went cold, instead of hot, and a terrible dark clarity descended over his mind, mapping out possible tactics and assessing their consequences with iron realism.

*Point out that you have a right to know: Failure. Eleven-year-old children do not have rights to know anything, in McGonagall's eyes.*

*Say that you will not be friends any more: Failure. She does not value your friendship sufficiently.*

*Point out that you will be in danger if you do not know: Failure. Plans have already been made based on your ignorance. The certain inconvenience of re-thinking will seem far more unpalatable than the mere uncertain prospect of your coming to harm.*

*Justice and reason will both fail. You must either find something you have that she wants, or find something you can do which she fears...*

Ah.

"Well then, Professor," Harry said in a low, icy tone, "it sounds like I have something you want. You can, if you like, tell me the truth, the whole truth, and in return I will keep your secrets. Or you can try to keep me ignorant so you can use me as a pawn, in which case I will owe you nothing."

McGonagall stopped short in the street. Her eyes blazed and her voice descended into an outright hiss. "How dare you!"

"How dare you!" he whispered back at her.

"You would *blackmail* me?"

Harry's lips twisted. "I am *offering* you a favor. I am *giving* you a chance to protect *your* precious secret. If you refuse I will have *every* natural motive to make inquiries elsewhere, not to spite you, but because I *have to know!* Get past your pointless anger at a *child* who you think ought to obey you, and you'll realise that any sane adult would do the same! *Look at it from my perspective! How would you feel if it was YOU?*"

Harry watched McGonagall, observed her harsh breathing. It occurred to him that it was time to ease off the pressure, let her simmer for a while. "You don't have to decide right away," Harry said in a more normal tone. "I'll understand if you want time to think about my *offer...* but I'll warn you of one thing," Harry said, his voice going colder. "Don't try that Obliviation spell on me. Some time ago I worked out a signal, and I have already sent that signal to myself. If I find that signal and I don't *remember* sending it..." Harry let his voice trail off significantly.

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McGonagall's face was working as her expressions shifted. "I... wasn't thinking of Obliviating you, Mr. Potter... but why would you have *invented* such a signal if you didn't know about—"

"I thought of it while reading a Muggle science-fiction book, and said to myself, *well, just in case...* And no, I won't tell you the signal, I'm not dumb."

"I hadn't planned to ask," McGonagall said. She seemed to fold in on herself, and suddenly looked very old, and very tired. "This has been an exhausting day, Mr. Potter. Can we get your trunk, and send you home? I will trust you not to speak upon this matter until I have had time to think. Keep in mind that there are only two other people in the whole world who know about this matter, and they are Headmaster Albus Dumbledore and Professor Severus Snape."

So. New information; that was a peace offering. Harry nodded in acceptance, and turned his head to look forward, and started walking again, as his blood slowly began to warm over once more.

"So now I've got to find some way to kill an immortal Dark Wizard," Harry said, and sighed in frustration. "I really wish you had told me that *before* I started shopping."

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The trunk shop was more richly appointed than any other shop Harry had visited; the curtains were lush and delicately patterned, the floor and walls of stained and polished wood, and the trunks occupied places of honor on polished ivory platforms. The salesman was dressed in robes of finery only a cut below those of Lucius Malfoy, and spoke with exquisite, oily politeness to both Harry and Professor McGonagall.

Harry had asked his questions, and had gravitated to a trunk of heavy-looking wood, not polished but warm and solid, carved with the pattern of a guardian dragon whose eyes shifted to look at anyone nearing it. A trunk charmed to be light, to shrink on command, to sprout small clawed tentacles from its bottom and squirm after its owner. A trunk with two drawers on each of four sides that each slid out to reveal compartments as deep as the whole trunk. A lid with four locks each of which would

reveal a different space inside. And—this was the important part—a handle on the bottom which slid out a frame containing a staircase leading down into a small, lighted room that would hold, Harry estimated, around twelve bookcases.

If they made luggages like this, Harry didn't know why anyone bothered owning a house.

One hundred and eight golden Galleons. That was the price of a good trunk, lightly used. At around fifty British pounds to the Galleon, that was enough to buy a second-hand car. It would be more expensive than everything else Harry had ever bought in his whole life all put together.

Ninety-seven Galleons. That was how much was left in the bag of gold Harry had been allowed to take out of Gringotts.

Professor McGonagall wore a look of chagrin upon her face. After a long day's shopping she hadn't needed to ask Harry how much gold was left in the bag, after the salesman quoted his price, which meant the Professor could do good mental arithmetic without pen and paper. Once again, Harry reminded himself that *scientifically illiterate* was not at all the same thing as *stupid*.

"I'm sorry, young man," said Professor McGonagall. "This is entirely my fault. I would offer to take you back to Gringotts, but the bank will be closed for all but emergency services now."

Harry looked at her, wondering...

"Well," sighed Professor McGonagall, as she swung on one heel, "we may as well go, I suppose."

...she *hadn't* lost it completely when a child had dared defy her. She hadn't been happy, but she had *thought* instead of exploding in fury. It might have just been that there was an immortal Dark Lord to fight—that she had needed Harry's goodwill. But most adults wouldn't have been capable of thinking even that much; wouldn't consider *future consequences* at all, if someone lower in status had refused to obey them...

"Professor?" Harry said.

The witch turned back and looked at him.

Harry took a deep breath. He needed to be a little angry for what he wanted to try now, there was no way he'd have the courage to do it otherwise. *She didn't listen to me*, he thought to himself, *I would have taken more*

*gold but she didn't want to listen...* Focusing his entire world on McGonagall and the need to bend this conversation to his will, he spoke.

"Professor, you thought one hundred Galleons would be more than enough for a trunk. That's why you didn't bother warning me before it went down to ninety-seven. Which is just the sort of thing the research studies show—that's what happens when people think they're leaving themselves a *little* error margin. They're not pessimistic enough. If it'd been up to me, I'd have taken *two hundred* Galleons just to be sure. There was plenty of money in that vault, and I could have put back any extra later. But I thought you wouldn't let me do it. I thought you'd be angry at me just for asking. Was I wrong?"

"I suppose I must confess that you are right," said Professor McGonagall. "But, young man—"

"That sort of thing is the reason why I have trouble trusting adults." Somehow Harry kept his voice steady. "Because they get angry if you even *try* to reason with them. To them it's defiance and insolence and a challenge to their higher tribal status. If you try to talk to them they get *angry*. So if I had anything *really important* to do, I wouldn't be able to trust you. Even if you listened with deep concern to whatever I said—because that's also part of the *role* of someone playing a concerned adult—you'd never change your actions, you wouldn't actually behave differently, because of anything I said."

The salesman was watching them both with unabashed fascination.

"I can understand your point of view," Professor McGonagall said eventually. "If I sometimes seem too strict, please remember that I have served as Head of Gryffindor House for what feels like several thousand years."

Harry nodded and continued. "So—suppose I had a way to get more Galleons from my vault *without* us going back to Gringotts, but it involved me violating the role of an obedient child. Would I be able to trust you with that, even though you'd have to step outside your own role as Professor McGonagall to take advantage of it?"

"What?" said Professor McGonagall.

"To put it another way, if I could make today have happened differently, so that we *didn't* take too little money with us, would that be all

right even though it would involve a child being insolent to an adult in retrospect?"

"I... suppose..." the witch said, looking quite puzzled.

Harry took out the moleskin pouch, and said, "Eleven Galleons originally from my family vault."

And there was gold in Harry's hand.

For a moment Professor McGonagall's mouth gaped wide, then her jaw snapped shut and her eyes narrowed and the witch bit out, "*Where* did you get that—"

"From my family vault, like I said."

"How?"

"Magic."

"That's hardly an answer!" snapped Professor McGonagall, and then stopped, blinking.

"No, it isn't, is it? I *ought* to claim that it's because I experimentally discovered the true secrets of how the pouch works and that it can actually retrieve objects from anywhere, not just its own inside, if you phrase the request correctly. But actually it's from when I fell into that pile of gold before and I shoved some Galleons into my pocket. Anyone who understands pessimism knows that money is something you might need quickly and without much warning. So now are you angry at me for defying your authority? Or glad that we succeeded in our important mission?"

The salesman's eyes were wide like saucers.

And the tall witch stood there, silent.

"Discipline at Hogwarts *must* be enforced," she said after almost a full minute. "For the sake of *all* the students. And that *must* include courtesy and obedience from you to *all* professors."

"I understand, Professor McGonagall."

"Good. Now let us buy that trunk and go home."

Harry felt like throwing up, or cheering, or fainting, or *something*. That was the first time his careful reasoning had ever worked on *anyone*. Maybe because it was also the first time he had something really serious that an adult needed from him, but still—

Minerva McGonagall, +1 point.

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## THE PLANNING FALLACY

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Harry bowed, and gave the bag of gold and the extra eleven Galleons into McGonagall's hands. "Thank you very much, Professor. Can you finish up the purchase for me? I've got to visit the lavatory."

The salesman, unctuous once more, pointed toward a door set into the wall with a gold-handled knob. As Harry started to walk away, he heard the salesman ask in his oily voice, "May I inquire as to who that was, Madam McGonagall? I take it he is Slytherin—third-year, perhaps?—and from a prominent family, but I did not recognise—"

The slam of the lavatory door cut off his words, and after Harry had identified the lock and pressed it into place, he grabbed the magical self-cleaning towel and, with shaky hands, wiped moisture off his forehead. Harry's entire body was sheathed in sweat which had soaked clear through his Muggle clothing, though at least it didn't show through the robes.

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The sun was setting and it was very late indeed, by the time they stood again in the courtyard of the Leaky Cauldron, the silent leaf-dusted interface between magical Britain's Diagon Alley and the entire Muggle world. (That was one *awfully* decoupled economy...) Harry was to go to a phone box and call his father, once he was on the other side. He didn't need to worry about his luggage being stolen, apparently. His trunk had the status of a major magical item, something that most Muggles wouldn't notice; that was part of what you could get in the wizarding world, if you were willing to pay the price of a secondhand car.

"So here we part ways, for a time," Professor McGonagall said. She shook her head in wonderment. "This has been the strangest day of my life for... many a year. Since the day I learned that a child had defeated You-Know-Who. I wonder now, looking back, if that was the last reasonable day of the world."

Oh, like *she* had anything to complain about. *You think your day was surreal? Try mine.*

"I was very impressed with you today," Harry said to her. "I should have remembered to compliment you out loud, I was awarding you points in my head and everything."

"Thank you, Mr. Potter," said Professor McGonagall. "If you had already been sorted into a House I would have deducted so many points that your grandchildren would still be losing the House Cup."

"Thank you, Professor." It was probably too early to call her Minnie.

This woman might well be the sanest adult Harry had ever met, despite her lack of scientific background. Harry was even considering offering her the number-two position in whatever group he formed to fight the Dark Lord, though he wasn't silly enough to say that out loud. *Now what would be a good name for that...? The Death Eater Eaters?*

"I'll see you again soon, when school starts," Professor McGonagall said. "And, Mr. Potter, about your wand—"

"I know what you're going to ask," Harry said. He took out his precious wand and, with a deep twinge of inner pain, flipped it over in his hand, presenting her with the handle. "Take it. I hadn't planned to do anything, not a single thing, but I don't want you to have nightmares about me blowing up my house."

Professor McGonagall shook her head rapidly. "Oh no, Mr. Potter! That isn't done. I only meant to warn you not to *use* your wand at home, since the Ministry can detect underage magic and it is prohibited without supervision."

"Ah," Harry said. "That sounds like a very sensible rule. I'm glad to see the wizarding world takes that sort of thing seriously."

Professor McGonagall peered hard at him. "You really mean that."

"Yes," Harry said. "I get it. Magic is dangerous and the rules are there for good reasons. Certain other matters are also dangerous. I get that too. Remember that I am not stupid."

"I am unlikely ever to forget it. Thank you, Harry, that does make me feel better about entrusting you with certain things. Goodbye for now."

Harry turned to go, into the Leaky Cauldron and out towards the Muggle world.

As his hand touched the back door's handle, he heard a last whisper from behind him.



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## THE PLANNING FALLACY

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“Hermione Granger.”

“What?” Harry said, his hand still on the door.

“Look for a first-year girl named Hermione Granger on the train to Hogwarts.”

“Who is she?”

There was no answer, and when Harry turned around, Professor McGonagall was gone.

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### AFTERMATH:

Headmaster Albus Dumbledore leaned forward over his desk. His twinkling eyes peered out at Minerva. “So, my dear, how did you find Harry?”

Minerva opened her mouth. Then she closed her mouth. Then she opened her mouth again. No words came out.

“I see,” Albus said gravely. “Thank you for your report, Minerva. You may go.”



## CHAPTER SEVEN

# RECIPROCATION

Petunia Evans-Verres's lips were trembling and her eyes were tearing up as Harry hugged her midsection on Platform Nine of the King's Cross Station. "Are you sure you don't want me to come with you, Harry?"

Harry glanced over to his father Michael Verres-Evans, who was looking stereotypically stern-but-proud, and then back to his mother, who really did look rather... uncomposed. "Mum, I know you don't like the wizarding world very much. You don't have to come with. I mean it."

Petunia winced. "Harry, you shouldn't worry about me, I'm your mother and if you need someone with you—"

"Mum, I'm going to be on my own at Hogwarts for *months* and *months*. If I can't manage a train platform alone, better to find out sooner rather than later so we can abort." He lowered his voice to a whisper. "Besides, Mum, they all love me over there. If I have any problems, all I need to do is take off my sweatband," Harry tapped the exercise band covering his scar, "and I'll have way more help than I can handle."

"Oh, Harry," Petunia whispered. She knelt down and hugged him hard, face to face, their cheeks resting against each other. Harry could feel her ragged breathing, and then he heard a muffled sob escape. "Oh, Harry, I do love you, always remember that."

*It's like she's afraid she'll never see me again,* the thought popped into Harry's head. He knew the thought was true but he didn't know why Mum was so afraid.

So he made a guess. "Mum, you know that I'm not going to turn into your sister just because I'm learning magic, right? I'll do any magic you ask for—if I can, I mean—or if you want me *not* to use any magic around

the house, I'll do that too, I promise I'll never let magic come between us—"

A tight hug cut off his words. "You have a good heart," his mother whispered into his ear. "A very good heart, my son."

Harry choked up himself a little, then.

His mother released him, and stood up. She took a handkerchief out of her handbag, and with a trembling hand dabbed at the running makeup around her eyes.

There were no questions about his father accompanying him to the magical side of King's Cross Station. Dad had trouble just looking at Harry's trunk directly. Magic ran in families, and Michael Verres-Evans couldn't even walk.

So instead his father just cleared his throat. "Good luck at school, Harry," he said. "Do you think I bought you enough books?"

Harry had explained to his father about how he thought this might be his big chance to do something really revolutionary and important, and Professor Verres-Evans had nodded and dumped his extremely busy schedule for two solid days in order to go on the Greatest Secondhand Bookshop Raid Ever, which had covered four cities and produced *thirty* boxes of science books now sitting in the cavern level of Harry's trunk. Most of the books had gone for a pound or two, but some of them definitely *hadn't*, like the very latest *Handbook of Chemistry and Physics* or the complete 1972 set of the *Encyclopaedia Britannica*. His father had tried to block Harry off from seeing the till displays but Harry figured his father must have spent *at least* a thousand pounds. Harry had said to his father that he would pay him back as soon as he figured out how to convert wizarding gold into Muggle money, and his father had told him to go jump in a lake.

And then his father had asked him: *Do you think I bought you enough books?* It was quite clear what answer Dad wanted to hear.

Harry's throat was hoarse, for some reason. "You can never have enough books," he recited the Verres family motto, and his father knelt down and gave him a quick, firm embrace. "But you *certainly* tried," Harry said, and felt himself choking up again. "It was a really, really, *really* good try."

His Dad straightened. "So..." he said. "Do *you* see a Platform Nine and Three-Quarters?"

King's Cross Station was huge and busy, with walls and floors paved with ordinary dirt-stained tiles. It was full of ordinary people hurrying about their ordinary business, having ordinary conversations which generated lots and lots of ordinary noise. King's Cross Station had a Platform Nine (which they were standing on) and a Platform Ten (right nearby) but there was nothing between Platform Nine and Platform Ten except a thin, unpromising barrier wall. A great skylight overhead let in plenty of light to illuminate the total lack whatsoever of any Platform Nine and Three-Quarters.

Harry stared around until his eyes watered, thinking, *come on, mage-sight, come on, mage-sight*, but absolutely nothing appeared to him. He thought about taking out his wand and waving it, but Professor McGonagall had warned him against using his wand. Plus if there was another shower of multicoloured sparks that might lead to being arrested for setting off fireworks inside a train station. And that was assuming his wand didn't decide to do something else, like blowing up all of King's Cross. Harry had only lightly skimmed his schoolbooks (though that skim was quite bizarre enough) in a very quick effort to determine what sort of science books to buy over the next 48 hours.

Well, he had—Harry glanced at his watch—one whole hour to figure it out, since he was supposed to be on the train at eleven. Maybe this was the equivalent of an IQ test and the stupid kids couldn't become wizards. (And the amount of extra time you gave yourself would determine your Conscientiousness, which was the second most important factor in scholarly success.)

"I'll figure it out," Harry said to his waiting parents. "It's probably some sort of test thingy."

His father frowned. "Hm... maybe look for a trail of mixed footprints on the ground, leading somewhere that doesn't seem to make sense—"

"Dad!" Harry said. "Stop that! I haven't even *tried* to figure it out on my own!" It was a very good suggestion, too, which was worse.

"Sorry," his father apologised.

"Ah..." Harry's mother said. "I don't think they would do that to a student, do you? Are you sure Professor McGonagall didn't tell you anything?"

"Maybe she was distracted," Harry said without thinking.

"*Harry!*" hissed his father and mother in unison. "*What did you do?*"

"I, um—" Harry swallowed. "Look, we don't have time for this now—"

"*Harry!*"

"I mean it! We don't have time for this now! Because it's a really long story and I've got to figure out how to get to school!"

His mother had a hand over her face. "How bad was it?"

"I, ah," *I can't talk about that for reasons of National Security*, "about half as bad as the Incident with the Science Project?"

"*Harry!*"

"I, er, oh look there are some people with an owl I'll go ask them how to get in!" and Harry ran away from his parents towards the family of fiery redheads, his trunk automatically slithering behind him.

The plump woman looked to him as he arrived. "Hello, dear. First time at Hogwarts? Ron's new, too—" and then she peered closely at him. "*Harry Potter?*"

Four boys and a red-headed girl and an owl all swung around and then froze in place.

"Oh, *come on!*" Harry protested. He'd been planning to go as Harry Verres at least until he got to Hogwarts. "I bought a sweatband and everything! How come you know who I am?"

"Yes," Harry's father said, coming up behind him with long easy strides, "how *do* you know who he is?" His voice indicated a certain dread.

"Your picture was in the newspapers," said one of two identical-looking twins.

"*HARRY!*"

"*Dad!* It's not like that! It's 'cause I defeated the Dark Lord You-Know-Who when I was one year old!"

"*WHAT?*"

"Mum can explain."

"*WHAT?*"

"Ah... Michael dear, there are certain things I thought it would be best not to bother you with until now—"

"Excuse me," Harry said to the redheaded family who were all staring at him, "but it would be quite extremely helpful if you could tell me how to get to Platform Nine and Three Quarters *right now*."

"Ah..." said the woman. She raised a hand and pointed at the wall between platforms. "Just walk straight at the barrier between platforms nine and ten. Don't stop and don't be scared you'll crash into it, that's very important. Best do it at a bit of a run if you're nervous."

"And whatever you do, don't think of an elephant."

"George! Ignore him, Harry dear, there's no reason not to think of an elephant."

"I'm Fred, Mum, not George—"

"Thanks!" Harry said and took off at a run towards the barrier—

Wait a minute, it wouldn't work *unless he believed in it*?

It was at times like this that Harry hated his mind for actually working fast enough to realise that this was a case where "resonant doubt" applied, that is, if he'd started out thinking that he would go through the barrier he'd have been fine, only now he was worried about whether he sufficiently *believed* he'd go through the barrier, which meant that he actually *was* worried about crashing into it—

"Harry! Get back here, you have some explaining to do!" That was his Dad.

Harry shut his eyes and ignored everything he knew about justified credibility and just tried to believe *really hard* that he'd go through the barrier and—

—the sounds around him changed.

Harry opened his eyes and stumbled to a halt, feeling vaguely dirtied by having made a deliberate effort to believe something.

He was standing in a bright, open-air platform next to a single huge train, fourteen long carriages headed up by a massive scarlet-metal steam engine with a tall chimney that promised death to air quality. The platform was already lightly crowded (even though Harry was a full hour early); dozens of children and their parents swarmed around benches, tables, and various hawkers and stalls.

It went entirely without saying that there was no such place in King's Cross Station and no room to hide it.

*Okay, so either (a) I just teleported somewhere else entirely (b) they can fold space like no one's business or (c) they are simply ignoring all the rules.*

There was a slithering sound behind him, and Harry turned around to observe that his trunk had indeed followed him on its small clawed tentacles. Apparently, for magical purposes, his luggage had also managed to believe with sufficient strength to pass through the barrier. That was actually a little disturbing when Harry started thinking about it.

A moment later, the youngest-looking red-haired boy came through the iron archway (iron archway?) at a run, pulling his trunk behind him on a lead and nearly crashing into Harry. Harry, feeling stupid for having stayed around, quickly began moving away from the landing area, and the red-haired boy followed him, yanking hard on his trunk's lead in order to keep up. A moment later, a white owl fluttered through the archway and came to rest on the boy's shoulder.

"Cor," said the red-haired boy, "are you *really* Harry Potter?"

*Not this again.* "I have no logical way of knowing that for certain. My parents raised me to *believe* that my name was Harry James Potter-Evans-Verres, and many people here have told me that I *look* like my parents, I mean my other parents, but," Harry frowned, realising, "for all I know, there could easily be spells to polymorph a child into a specified appearance—"

"Er, what, mate?"

*Not headed for Ravenclaw, I take it.* "Yes, I'm Harry Potter."

"I'm Ron Weasley," said the tall skinny freckled long-nosed kid, and stuck out a hand, which Harry politely shook as they walked. The owl gave Harry an oddly measured and courteous hoot (actually more of an eehhhhh sound, which surprised Harry).

At this point Harry realised the potential for imminent catastrophe. "Just a second," he said to Ron, and opened one of the drawers of his trunk, the one that if he recalled correctly was for Winter Clothes—it was—and then he found the lightest scarf he owned, underneath his winter coat. Harry took off his sweatband, and just as quickly unfolded the scarf and



tied it around his face. It was a little hot, especially in the summer, but Harry could live with that.

Then he shut that drawer and pulled out another drawer and drew forth black wizarding robes, which he shrugged over his head, now that he was out of Muggle territory.

"There," Harry said. The sound came out slightly muffled through the scarf over his face. He turned to Ron. "How do I look? Stupid, I know, but am I identifiable as Harry Potter?"

"Er," Ron said. He closed his mouth, which had been open. "Not really, Harry."

"Very good," Harry said. "However, so as not to obviate the point of the whole exercise, you will henceforth address me as," Verres might not work anymore, "Mr. Spoo."

"Okay, Harry," Ron said uncertainly.

*The Force is not particularly strong in this one.* "Call... me... Mister... Spoo."

"Okay, Mister Spoo—" Ron stopped. "I can't do that, it makes me feel stupid."

*That's not just a feeling.* "Okay. You pick a name."

"Mr. Cannon," Ron said at once. "For the Chudley Cannons."

"Ah..." Harry knew he was going to terribly regret asking this. "Who or what are the Chudley Cannons?"

"*Who're the Chudley Cannons?* Only the most brilliant team in the whole history of Quidditch! Sure, they finished at the bottom of the league last year, but—"

"What's Quidditch?"

Asking this was also a mistake.

"So let me get this straight," Harry said as it seemed that Ron's explanation (with associated hand gestures) was winding down. "Catching the Snitch is worth *one hundred and fifty points?*"

"Yeah—"

"How many ten-point goals does one side usually score *not* counting the Snitch?"

"Um, maybe fifteen or twenty in professional games—"

"That's just wrong. That violates every possible rule of game design. Look, the rest of this game sounds like it might make sense, sort of, for

a sport I mean, but you're basically saying that catching the Snitch overwhelms almost any ordinary point spread. The two Seekers are up there flying around looking for the Snitch and usually not interacting with anyone else, spotting the Snitch first is going to be mostly luck—"

"It's not luck!" protested Ron. "You've got to keep your eyes moving in the right pattern—"

"That's not *interactive*, there's no back-and-forth with the other player and how much fun is it to watch someone incredibly good at moving their eyes? And then whichever Seeker gets lucky swoops in and grabs the Snitch and makes everyone else's work moot. It's like someone took a real game and grafted on this pointless extra position so that you could be the Most Important Player without needing to really get involved or learn the rest of it. Who was the first Seeker, the King's idiot son who wanted to play Quidditch but couldn't understand the rules?" Actually, now that Harry thought about it, that seemed like a surprisingly good hypothesis. Put him on a broomstick and tell him to catch the shiny thing...

Ron's face pulled into a scowl. "If you don't like Quidditch, you don't have to make fun of it!"

"If you can't criticise, you can't optimise. I'm suggesting how to *improve the game*. And it's very simple. Get rid of the Snitch."

"They won't change the game just 'cause *you* say so!"

"I *am* the Boy-Who-Lived, you know. People will listen to me. And maybe if I can persuade them to change the game at Hogwarts, the innovation will spread."

A look of absolute horror was spreading over Ron's face. "But, but if you get rid of the Snitch, how will anyone know when the game ends?"

"Buy... *a... clock*. It would be a lot fairer than having the game sometimes end after ten minutes and sometimes not end for hours, and the schedule would be a lot more predictable for the spectators, too." Harry sighed. "Oh, stop giving me that look of absolute horror, I probably won't *actually* take the time to destroy this pathetic excuse for a national sport and remake it stronger and smarter in my own image. I've got way, way, way more important stuff to worry about." Harry looked thoughtful. "Then again, it wouldn't *take* much time to write up the Ninety-Five Theses of the Snitchless Reformation and nail it to a church door—"

"Potter," drawled a young boy's voice, "*what* is that on your face and *what* is standing next to you?"

Ron's look of horror was replaced by utter hatred. "*You!*"

Harry turned his head; and indeed it was Draco Malfoy, who might have been forced to wear standard school robes, but was making up for that with a trunk looking at least as magical and far more elegant than Harry's own, decorated in silver and emeralds and bearing what Harry guessed to be the Malfoy family crest, a beautiful fanged serpent over crossed ivory wands.

"Draco!" Harry said. "Er, or Malfoy if you prefer, though that kind of sounds like Lucius to me. I'm glad to see you're doing so well after, um, our last meeting. This is Ron Weasley. And I'm trying to go incognito, so call me, eh," Harry looked down at his robes, "Mister Black."

"*Harry!*" hissed Ron. "You can't use *that* name!"

Harry blinked. "Why not?" It *sounded* nicely dark, like an international man of mystery—

"I'd say it's a *fine* name," said Draco, "but it belongs to the Noble and Most Ancient House of Black. I'll call you Mr. Silver."

"*You* get away from... from Mr. Gold," Ron said coldly, and took a forward step. "He doesn't need to talk to the likes of you!"

Harry raised a placating hand. "I'll go by Mr. Bronze, thanks for the naming schema. And, Ron, um," Harry struggled to find a way to say this, "I'm glad you're so... enthusiastic about protecting me, but I don't particularly mind talking to Draco—"

This was apparently the last straw for Ron, who spun on Harry with eyes now aflame with outrage. "*What?* Do you *know* who this is?"

"Yes, Ron," Harry said, "you may remember that I called him Draco without him needing to introduce himself."

Draco sniggered. Then his eyes lit on the white owl on Ron's shoulder. "Oh, what's *this?*" Draco said in a drawl rich with malice. "Where's the famous Weasley family rat?"

"Buried in the backyard," Ron said coldly.

"Aw, how sad. Pot... ah, Mr. Bronze, I should mention that the Weasley family is widely agreed to have *the best pet story ever*. Want to tell it, Weasley?"

Ron's face contorted. "You wouldn't think it was funny if it happened to *your* family!"

"Oh," Draco purred, "but it wouldn't ever *happen* to the Malfoys."

Ron's hands clenched into fists—

"That's enough," Harry said, putting as much quiet authority into the voice as he could manage. It was clear that whatever this was about, it was a painful memory for the red-haired kid. "If Ron doesn't want to talk about it, he doesn't have to talk about it, and I'd ask that you not talk about it either."

Draco turned a surprised look on Harry, and Ron nodded. "That's right, Harry! I mean Mr. Bronze! You see what kind of person he is? Now tell him to go away!"

Harry counted to ten inside his head, which for him was a very quick 12345678910—an odd habit left over from the age of five when his mother had first instructed him to do it, and Harry had reasoned that his way was faster and ought to be just as effective. "I'm not telling him to go away," Harry said calmly. "He's welcome to talk to me if he wants."

"Well, I don't intend to hang around with anyone who hangs around with Draco Malfoy," Ron announced coldly.

Harry shrugged. "That's up to you. I don't intend to let anyone say who I can and can't hang around with." Silently chanting, *please go away, please go away...*

Ron's face went blank with surprise, like he'd actually expected that line to work. Then Ron spun about, yanked his luggage's lead and stormed off down the platform.

"If you didn't like him," Draco said curiously, "why didn't you just walk away?"

"Um... his mother helped me figure out how to get to this platform from the King's Cross Station, so it was kind of hard to tell him to get lost. And it's not that I *hate* this Ron guy," Harry said, "I just, just..." Harry searched for words.

"Don't see any reason for him to exist?" offered Draco.

"Pretty much."

"Anyway, Potter... if you really were raised by Muggles—" Draco paused here, as if waiting for a denial, but Harry didn't say anything —

then you mightn't know what it's like to be famous. People want to take up *all* of our time. You *have* to learn to say no."

Harry nodded, putting a thoughtful look on his face. "That sounds like good advice."

"If you try to be nice, you just end up spending the most time with the pushiest ones. Decide who you *want* to spend time with and make everyone else leave. You're just getting here, Potter, so everyone's going to judge you by who they see you with, and you don't want to be seen with the likes of Ron Weasley."

Harry nodded again. "If you don't mind my asking, how did you recognise me?"

"Mister Bronze," Draco drawled, "I *have* met you, remember. I saw someone going around with a scarf wrapped around his head, looking absolutely ridiculous. So I took a *guess*."

Harry bowed his head, accepting the compliment. "I'm *terribly* sorry about that," Harry said. "Our first meeting, I mean. I didn't mean to embarrass you in front of Lucius."

Draco waved it off while giving Harry an odd look. "I just wish Father could have come in while *you* were flattering *me*—" Draco laughed. "But thank *you* for what you said to Father. If not for that, I might've had a harder time explaining."

Harry swept a deeper bow. "And thank *you* for reciprocating with what you said to Professor McGonagall."

"You're welcome. Though one of the assistants must've sworn her closest friend to absolute secrecy, because Father says there're *weird rumors* going around, like you and I got in a fight or something."

"Ouch," Harry said, wincing. "I'm *really* sorry—"

"No, we're used to it, Merlin knows there's lots of rumors about the Malfoy family already."

Harry nodded. "I'm glad to hear you're not in trouble."

Draco smirked. "Father has, um, a *refined* sense of humor, but he *does* understand making friends. He understands it *very* well. He made me repeat that before I went to bed every night for the last month, 'I will make friends at Hogwarts.' When I explained everything to him and he saw that's what I was doing, he bought me an ice-cream."

Harry's jaw dropped. "You managed to spin that into an ice-cream?"

Draco nodded, looking every bit as smug as the feat deserved. "Well, father *knew* what I was doing, of course, but he's the one who taught me *how* to do it, and if I grin the right way *while* I'm doing it, that makes it a father-son thing and then he *has* to buy me an ice-cream or I'll give him this sort of sad look, like I think I must have disappointed him."

Harry eyed Draco calculatingly, sensing the presence of another master. "You've had *lessons* on how to manipulate people?"

"Of course," Draco said proudly. "I'm a *Malfoy*. Father bought me tutors."

"Wow," Harry said. Reading Robert Cialdini's *Influence: Science and Practice* probably didn't stack up very high compared to that (though it was still one heck of a book). "Your dad is almost as awesome as my dad."

Draco's eyebrows rose loftily. "Oh? And what does *your* father do?"

"He buys me books."

Draco considered this. "That doesn't sound very impressive."

"You had to be there. Anyway, I'm glad to hear all that. The way Lucius was looking at you, I thought he was going to c-crucify you."

"My father really loves me," Draco said firmly. "He wouldn't ever do that."

"Um..." Harry said. He remembered the black-robed, white-haired figure of elegance that had stormed through Madam Malkin's, wielding that beautiful, deadly silver-handled cane. It wasn't easy to visualise him as a doting father. "Don't take this the wrong way, but how do you *know* that?"

"Huh?" It was clear that this was a question Draco did not commonly ask himself.

"I ask the fundamental question of rationality: Why do you believe what you believe? What do you think you know and how do you think you know it? What makes you think Lucius wouldn't sacrifice you the same way he'd sacrifice anything else for power?"

Draco shot Harry another odd look. "Just what do *you* know about Father?"

"Um... seat on the Wizengamot, seat on Hogwarts' Board of Governors, incredibly wealthy, has the ear of Minister Fudge, has the confidence of Minister Fudge, probably has some highly embarrassing photos

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## RECIPROCATION

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of Minister Fudge, most prominent blood purist now that the Dark Lord's gone, former Death Eater who was found to have the Dark Mark but got off by claiming to be under the Imperius Curse, which was ridiculously implausible and pretty much everyone knew it... evil with a capital 'E' and a born killer... I think that's it."

Draco's eyes had narrowed to slits. "McGonagall told you that, did she."

"No, she wouldn't say *anything* to me about Lucius afterwards, except to stay away from him. So during the Incident at the Potions Shop, while Professor McGonagall was busy yelling at the shopkeeper and trying to get everything under control, I grabbed one of the customers and asked *them* about Lucius."

Draco's eyes were wide again. "Did you *really*?"

Harry gave Draco a puzzled look. "If I lied the first time, I'm not going to tell you the truth just because you ask twice."

There was a certain pause as Draco absorbed this.

"You're so completely going to be in Slytherin."

"I'm so completely going to be in Ravenclaw, thank you very much. I only want power so I can get books."

Draco giggled. "Yeah, right. Anyway... to answer what you asked..." Draco took a deep breath, and his face turned serious. "Father once missed a Wizengamot vote for me. I was on a broom and I fell off and broke a lot of ribs. It really hurt. I'd never hurt that much before and I thought I was going to die. So Father missed this really important vote, because he was there by my bed at St. Mungo's, holding my hands and promising me that I was going to be okay."

Harry glanced away uncomfortably, then, with an effort, forced himself to look back at Draco. "Why are you telling me *that*? It seems sort of... private..."

Draco gave Harry a serious look. "One of my tutors once said that people form close friendships by knowing private things about each other, and the reason most people don't make close friends is because they're too embarrassed to share anything really important about themselves." Draco turned his palms out invitingly. "Your turn?"

Knowing that Draco's hopeful face had probably been drilled into him by months of practice did not make it any less effective, Harry observed. Actually it *did* make it *less* effective, but unfortunately not *ineffective*. The same could be said of Draco's clever use of reciprocation pressure for an unsolicited gift, a technique which Harry had read about in his social psychology books (one experiment had shown that an unconditional gift of \$5 was twice as effective as a conditional offer of \$50 in getting people to fill out surveys). Draco had made an unsolicited gift of a confidence, and now invited Harry to offer a confidence in return... and the thing was, Harry *did* feel pressured. Refusal, Harry was certain, would be met with a look of sad disappointment, and maybe a small amount of contempt indicating that Harry had lost points.

"Draco," Harry said, "just so you know, I recognise exactly what you're doing right now. My own books called it *reciprocation* and they talk about how giving someone a straight gift of two Sickles was found to be twice as effective as offering them twenty Sickles in getting them to do what you want..." Harry trailed off.

Draco was looking sad and disappointed. "It's not meant as a trick, Harry. It's a real way of becoming friends."

Harry held up a hand. "I didn't say I wasn't going to respond. I just need time to pick something that's private but just as non-damaging. Let's say... I wanted you to know that I can't be rushed into things." A pause to reflect could go a long way in defusing the power of a lot of compliance techniques, once you learned to recognise them for what they were.

"All right," Draco said. "I'll wait while you come up with something. Oh, and please take off the scarf while you say it."

*Simple but effective.*

And Harry couldn't help but notice how clumsy, awkward, graceless his attempt at resisting manipulation / saving face / showing off had appeared compared to Draco. *I need those tutors.*

"All right," Harry said after a time. "Here's mine." He glanced around and then rolled the scarf back up over his face, exposing everything but the scar. "Um... it sounds like you can really rely on your father. I mean... if you talk to him seriously, he'll always listen to you and take you seriously."



Draco nodded.

"Sometimes," Harry said, and swallowed. This was surprisingly hard, but then it was meant to be. "Sometimes I wish my own Dad was like yours." Harry's eyes flinched away from Draco's face, more or less automatically, and then Harry forced himself to look back at Draco.

Then it hit Harry *what on Earth he'd just said*, and Harry hastily added, "Not that I wish my Dad was a flawless instrument of death like Lucius, I only mean taking me seriously—"

"I understand," Draco said with a smile. "There... now doesn't it feel like we're a little closer to being friends?"

Harry nodded. "Yeah. It does, actually. Um... no offence, but I'm going to put on my disguise again, I *really* don't want to deal with—"

"I understand."

Harry rolled the scarf back down over his face.

"My father takes all his friends seriously," Draco said. "That's why he has lots of friends. You should meet him."

"I'll think about it," Harry said in a neutral voice. He shook his head in wonder. "So you really are his one weak point. Huh."

Now Draco was giving Harry a *really* odd look. "You want to go get something to drink and find somewhere to sit down?"

Harry realised he had been standing in one place for too long, and stretched himself, trying to crack his back. "Sure."

The platform was starting to fill up now, but there was still a quieter area on the far side away from the red steam engine. Along the way they passed a stall containing a bald, bearded man offering newspapers and comic books and stacked neon-green cans.

The stallholder was, in fact, leaning back and drinking out of one of the neon-green cans at the exact point when he spotted the refined and elegant Draco Malfoy approaching along with a mysterious boy looking incredibly stupid with a scarf tied over his face, causing the stallholder to experience a sudden coughing fit in mid-drink and dribble a large amount of neon-green liquid onto his beard.

"Scuse me," Harry said, "but what is that stuff, exactly?"

"Comed-Tea," said the stallholder. "If you drink it, something surprising is bound to happen which makes you spill it on yourself or someone

else. But it's charmed to vanish just a few seconds later—" Indeed the stain on his beard was already disappearing.

"How droll," said Draco. "How very, very droll. Come, Mr. Bronze, let's go find another—"

"Hold on," Harry said.

"*Oh come on! That's just, just juvenile!*"

"No, I'm sorry Draco, I *have* to investigate this. What happens if I drink Comed-Tea while doing my best to keep the conversation completely serious?"

The stallholder smiled mysteriously. "Who knows? A friend walks by in a frog costume? Something unexpected is bound to happen—"

"No. I'm sorry. I just don't believe it. That violates my much-abused suspension of disbelief on so many levels I don't even have the language to describe it. There is, there is just *no way* a bloody *drink* can manipulate reality to produce *comedy setups*, or I'm going to give up and retire to the Bahamas—"

Draco groaned. "Are we *really* going to do this?"

"You don't have to drink it but I *have* to investigate. *Have* to. How much?"

"Five Knuts the can," the stallholder said.

"*Five Knuts?* You can sell reality-manipulating fizzy drinks for *five Knuts the can?*" Harry reached into his pouch, said "four Sickles, four Knuts", and slapped them down on the counter. "Two dozen cans please."

"I'll also take one," Draco sighed, and started to reach for his pockets.

Harry shook his head rapidly. "No, I've got this, doesn't count as a favor either, I want to see if it works for you too." He took a can from the stack now placed on the counter and tossed it to Draco, then started feeding his pouch. The pouch's Widening Lip ate the cans accompanied by small burping noises, which wasn't exactly helping to restore Harry's faith that he would someday discover a reasonable explanation for all this.

Twenty-two burps later, Harry had the last purchased can in his hand, Draco was looking at him expectantly, and the two of them pulled the ring at the same time.

Harry rolled up his scarf to expose his mouth, and they tilted their heads back and drank the Comed-Tea.

It somehow *tasted* bright green—extra-fizzy and limer than lime.

Aside from that, nothing else happened.

Harry looked at the stallholder, who was watching them benevolently.

*All right, if this guy just took advantage of a natural accident to sell me twenty-four cans of nothing, I'm going to applaud his creative entrepreneurial spirit and then kill him.*

"It doesn't always happen immediately," the stallholder said. "But it's guaranteed to happen once per can, or your money back."

Harry took another long drink.

Once again, nothing happened.

*Maybe I should just chug the whole thing as fast as possible... and hope my stomach doesn't explode from all the carbon dioxide, or that I don't burp while drinking it...*

No, he could afford to be a *little* patient. But honestly, Harry didn't see how this was going to work. You couldn't go up to someone and say "Now I'm going to surprise you" or "And now I'm going to tell you the punchline of the joke, and it'll be really funny." It ruined the shock value. In Harry's state of mental preparedness, Lucius Malfoy could have walked past in a ballerina outfit and it wouldn't have made him do a proper spit-take. Just what sort of wacky shenanigan was the universe supposed to cough up now?

"Anyway, let's sit down," Harry said. He prepared to swig another drink and started towards the distant seating area, which put him at the right angle to glance back and see the portion of the stall's newspaper stand that was devoted to a newspaper called *The Quibbler*, which was showing the following headline:

BOY-WHO-LIVED GETS  
DRACO MALFOY PREGNANT

"*Gah!*" screamed Draco as bright green liquid sprayed all over him from Harry's direction. Draco turned to Harry with fire in his eyes and grabbed his own can. "You son of a mudblood! Let's see how *you* like

being spat upon!" Draco took a deliberate swig from the can just as his own eyes caught sight of the headline.

In sheer reflex action, Harry tried to block his face as the spray of liquid flew in his direction. Unfortunately he blocked using the hand containing the Comed-Tea, sending the rest of the green liquid to splash out over his shoulder.

Harry stared at the can in his hand even as he went on choking and spluttering and the green colour started to vanish from Draco's robes.

Then he looked up and stared at the newspaper headline.

BOY-WHO-LIVED GETS  
DRACO MALFOY PREGNANT

Harry's lips opened and said, "buh-bluh-buh-buh..."

Too many competing objections, that was the problem. Every time Harry tried to say "But we're only eleven!" the objection "But men can't get pregnant!" demanded first priority and was then run over by "But there's nothing between us, really!"

Then Harry looked down at the can in his hand again.

He was feeling a deep-seated desire to run away screaming at the top of his lungs until he dropped from lack of oxygen, and the only thing stopping him was that he had once read that outright panic was the sign of a *truly* important scientific problem.

Harry snarled, threw the can violently into a nearby rubbish bin, and stalked back over to the stall. "One copy of *The Quibbler*, please." Harry paid over four more Knuts, retrieved another can of Comed-Tea from his pouch, and then stalked over to the picnic area with the blond-haired boy, who was staring at his own can with an expression of frank admiration.

"I take it back," Draco said, "that was pretty good."

"Hey, Draco, you know what I bet is even better for becoming friends than exchanging secrets? Committing murder."

"I have a tutor who says that," Draco allowed. He reached inside his robes and scratched himself with an easy, natural motion. "Who've you got in mind?"

Harry slammed *The Quibbler* down hard on the picnic table. "The guy who came up with this headline."

Draco groaned. "Not a guy. A girl. A *ten-year-old* girl, can you believe it? She went nuts after her mother died and her father, who owns this newspaper, is *convinced* that she's a seer, so when he doesn't know he asks Luna Lovegood and believes *anything* she says."

Not really thinking about it, Harry pulled the ring on his next can of Comed-Tea and prepared to drink. "Are you kidding me? That's even worse than Muggle journalism, which I would have thought was physically impossible."

Draco snarled. "She has some sort of perverse obsession about the Malfoys, too, and her father is politically opposed to us so he prints every word. As soon as I'm old enough I'm going to rape her."

Green liquid spurted out of Harry's nostrils, soaking into the scarf still covering that area. Comed-Tea and lungs did not mix, and Harry spent the next few seconds frantically coughing.

Draco looked at him sharply. "Something wrong?"

It was at this point that Harry came to the sudden realisation that (a) the sounds coming from the rest of the train platform had turned into more of a blurred white noise at around the same time Draco had reached inside his robes, and (b) when he had discussed committing murder as a bonding method, there had been exactly one person in the conversation who'd thought they were joking.

*Right. Because he seemed like such a normal kid. And he is a normal kid, he is just what you'd expect a baseline male child to be like if Darth Vader were his doting father.*

"Yes, well," Harry coughed, oh god how was he going to get out of this conversational wedge, "I was just surprised at how you were willing to discuss it so openly, you didn't seem worried about getting caught or anything."

Draco snorted. "Are you joking? *Luna Lovegood's* word against mine?"

Holy crap on a holy stick. "There's no such thing as magical truth detection, I take it?" *Or DNA testing... yet.*

Draco looked around. His eyes narrowed. "That's right, you don't know anything. Look, I'll explain things to you, I mean the way it really

works, just like you were already in Slytherin and asked me the same question. But you've got to swear not to say anything about it."

"I swear," Harry said.

"The courts use Veritaserum, but it's a joke really, you just get yourself Obliviated before you testify and then claim the other person was Memory-Charmed with a fake memory. Of course if you're just some normal person, the courts presume in favor of Obliviation, not False Memory Charms. But the court has discretion, and if *I'm* involved then it impinges on the honor of a Noble House, so it goes to the Wizengamot, where Father has the votes. After I'm found not guilty the Lovegood family has to pay reparations for tarnishing my honor. And they know from the start that's how it'll go, so they'll just keep their mouths shut."

A cold chill was coming over Harry, a chill that came with instructions to keep his voice and face normal. *Note to self: Overthrow government of magical Britain at earliest convenience.*

Harry coughed again to clear his throat. "Draco, please please *please* don't take this the wrong way, my word is my bond, but like you said I could be in Slytherin and I really want to ask for informational purposes, so what would happen *theoretically speaking* if I *did* testify that I'd heard you plan it?"

"Then if I was anyone other than a Malfoy, I'd be in trouble," Draco answered smugly. "Since I *am* a Malfoy... Father has the votes. And afterwards he'd crush you... well, I guess not easily, since you *are* the Boy-Who-Lived, but Father is pretty good at that sort of thing." Draco frowned. "Sides, *you* talked about murdering her, why weren't you worried about *me* testifying after she turns up dead?"

*How, oh how did my day go this wrong?* Harry's mouth was already moving faster than he could think. "That's when I thought she was *older!* I don't know how it works *here*, but in Muggle Britain the courts would get a lot more upset about someone killing a child—"

"That makes sense," Draco said, still looking a bit suspicious. "But anyway, it's always smarter if it doesn't go to the Aurors at all. If we're careful only to do things that Healing Charms can fix, we can just Obliviate her afterwards and then do it all again next week." Then the blonde-haired boy giggled, a youthful high-pitched sound. "Though just imagine

her saying she'd been done by Draco Malfoy *and* the Boy-Who-Lived, not even *Dumbledore* would believe her."

*I am going to tear apart your pathetic little magical remnant of the Dark Ages into pieces smaller than its constituent atoms.* "Actually, can we hold off on that? After I found out that headline came from a girl a year younger than me, I had a different thought for my revenge."

"Huh? Do tell," Draco said, and started to take another swig of his Comed-Tea.

Harry didn't know if the enchantment worked more than once per can, but he *did* know he could avoid the blame, so he was careful to time it exactly right:

"I was thinking *someday I'm going to marry that woman.*"

Draco made a horrid ker-splutching sound and leaked green fluid out the corners of his mouth like a broken car radiator. "*Are you nuts?*"

"Quite the opposite, I'm so sane it burns like ice."

"You've got weirder taste than a Lestrangle," Draco said, sounding half-admiring about it. "And I suppose you want her all to yourself, huh?"

"Yep. I can owe you a favor for it—"

Draco waved it off. "Nah, this one's free."

Harry stared down at the can in his hand, the coldness settling into his blood. Charming, happy, generous with his favors to his friends, Draco wasn't a psychopath. That was the sad and awful part, knowing human psychology well enough to *know* that Draco *wasn't* a monster. There had been ten thousand societies over the history of the world where this conversation could have happened. No, the world would have been a very different place indeed, if it took an *evil mutant* to say what Draco had said. It was very simple, very human, it was the default if nothing else intervened. To Draco, his enemies weren't people.

And in the slowed time of this slowed country, here and now as in the darkness-before-dawn prior to the Age of Reason, the son of a sufficiently powerful noble would simply take for granted that he was above the law, at least when it came to some peasant girl. There were places in Muggle-land where it was still the same way, countries where that sort of nobility still existed and still thought like that, or even grimmer lands where it wasn't just the nobility. It was like that in every place and time

that didn't descend directly from the Enlightenment. A line of descent, it seemed, which didn't quite include magical Britain, for all that there had been cross-cultural contamination of things like ring-pull drinks cans.

*And if Draco doesn't change his mind about wanting revenge, and I don't throw away my own chance at happiness in life to marry some poor crazy girl, then all I've just bought is time, and not too much of it...*

For one girl. Not for others.

*I wonder how difficult it would be to just make a list of all the top blood purists and kill them.*

They'd tried exactly that during the French Revolution, more or less—make a list of all the enemies of Progress and remove everything above the neck—and it hadn't worked out well from what Harry recalled. Maybe he needed to dust off some of those history books his father had bought him, and see if what had gone wrong with the French Revolution was something easy to fix.

Harry gazed up at the sky, and at the pale shape of the Moon, visible this morning through the cloudless air.

*So the world is broken and flawed and insane, and cruel and bloody and dark. This is news? You always knew that, anyway...*

"You're looking all serious," Draco said. "Let me guess, your Muggle parents told you that this sort of thing was bad."

Harry nodded, not quite trusting his voice.

"Well, like Father says, there may be four houses, but in the end everyone belongs to either Slytherin or Hufflepuff. And frankly, you're not on the Hufflepuff end. If you decide to side with the Malfoys under the table... our power and your reputation... you could get away with things even I can't do. Want to try it for a while? See what it's like?"

*Aren't we a clever little serpent. Eleven years old and already coaxing your prey from hiding...*

Harry thought, considered, chose his weapon. "Draco, you want to explain the whole blood purity thing to me? I'm sort of new."

A wide smile crossed Draco's face. "You really should meet Father and ask *him*, you know, he's our leader."

"Give me the thirty-second version."



"Okay," Draco said. He drew in a deep breath, and his voice grew slightly lower, and took on a cadence. "Our powers have grown weaker, generation by generation, as the mudblood taint increases. Where Salazar and Godric and Rowena and Helga once raised Hogwarts by their power, creating the Locket and the Sword and the Diadem and the Cup, no wizard of these faded days has risen to rival them. We are fading, all fading into Muggles as we interbreed with their spawn and allow our Squibs to live. If the taint is not checked, soon our wands will break and all our arts cease, the line of Merlin will end and the blood of Atlantis fail. Our children will be left scratching at the dirt to survive like the mere Muggles, and darkness will cover all the world for ever." Draco took another swig from his drinks can, looking satisfied; that seemed to be the whole argument as far as he was concerned.

"Persuasive," Harry said, meaning it descriptively rather than normatively. It was a standard pattern: The Fall from Grace, the need to guard what purity remained against contamination, the past sloping upwards and the future sloping only down. And that pattern also had its *counter*... "I have to correct you on one point of fact, though. Your information about the Muggles is a bit out of date. We aren't exactly scratching at the dirt anymore."

Draco's head snapped around. "*What?* What do you mean, we?"

"We. The scientists. The line of Francis Bacon and the blood of the Enlightenment. Muggles didn't just sit around crying about not having wands, we have our *own* powers now, with or without magic. If all your powers fail then we will all have lost something very precious, because your magic is the only hint we have as to how the universe must *really* work—but you won't be left scratching at the ground. Your houses will still be cool in summer and warm in winter, there will still be doctors and medicine. Science can keep you alive if magic fails. It'd be a tragedy, but not literally the end of all the light in the world. Just saying."

Draco had backed up several feet and his face was full of mixed fear and disbelief. "*What in the name of Merlin are you talking about, Potter?*"

"Hey, I listened to *your* story, won't you listen to mine?" *Clumsy*, Harry chided himself, but Draco actually did stop backing off and seem to listen.

"Anyway," Harry said, "I'm saying that you don't seem to have been

paying much attention to what goes on in the Muggle world.” Probably because the whole wizarding world seemed to regard the rest of Earth as a slum, deserving around as much news coverage as the *Financial Times* awarded to the routine agonies of Burundi. “All right. Quick check. Have wizards ever been to the Moon? You know, that thing?” Harry pointed up to that huge and distant globe.

“What?” Draco said. It was pretty clear the thought had never occurred to the boy. “Go to the—it’s just a—” His finger pointed at the little pale thingy in the sky. “You can’t Apparate to somewhere you’ve never *been* and how would anyone get to the Moon in the *first* place?”

“Hold on,” Harry said to Draco, “I’d like to show you a book I brought with me, I think I remember what box it’s in.” And Harry stood up and kneeled down and yanked out the stairs to the cavern level of his trunk, then tore down the stairs and heaved a box off another box, coming perilously close to treating his books with disrespect, and snatched off the box cover and quickly but carefully pried out a stack of books—

(Harry had inherited the nigh-magical Verres ability to remember where all his books were, even after seeing them just once, which was rather mysterious considering the lack of any genetic connection.)

And Harry raced back up the stairs and shoved the staircase back into the trunk with his heel, and, panting, turned the pages of the book until he found the picture he wanted to show to Draco.

The one with the white, dry, cratered land, and the suited people, and the blue-white globe hanging over it all.

That picture.

The picture, if only one picture in all the world were to survive.

“That,” Harry said, his voice trembling because he couldn’t quite keep the pride out, “is what the Earth looks like from the Moon.”

Draco slowly leaned over. There was a strange expression on his young face. “If that’s a *real* picture, why isn’t it moving?”

Moving? Oh. “Muggles can do moving pictures but they need a bigger box to show it, they can’t fit them onto single book pages yet.”

Draco’s finger moved to one of the suits. “What are those?” His voice starting to waver.

"Those are human beings. They are wearing suits that cover their whole bodies to give them air, because there is no air on the Moon."

"That's impossible," Draco whispered. There was terror in his eyes, and utter confusion. "No Muggle could ever do that. *How...*"

Harry took back the book, flipped the pages until he found what he saw. "This is a rocket going up. The fire pushes it higher and higher, until it gets to the Moon." Flipped pages again. "This is a rocket on the ground. That tiny speck next to it is a person." Draco gasped. "Going to the Moon cost the equivalent of... probably around a thousand million Galleons." Draco choked. "And it took the efforts of... probably more people than live in all of magical Britain." *And when they arrived, they left a plaque that said, 'We came in peace, for all mankind.' Though you're not yet ready to hear those words, Draco Malfoy...*

"You're telling the truth," Draco said slowly. "You wouldn't fake a whole book just for this—and I can hear it in your voice. But... but..."

"How, without wands or magic? It's a long story, Draco. Science doesn't work by waving wands and chanting spells, it works by knowing how the universe works on such a deep level that you know exactly what to do in order to make the universe do what you want. If magic is like casting *Imperio* on someone to make them do what you want, then science is like knowing them so well that you can convince them it was their own idea all along. It's a lot more difficult than waving a wand, but it works when wands fail, just like if the *Imperius* failed you could still try persuading a person. And Science builds from generation to generation. You have to really *know* what you're doing to do science—and when you really understand something, you can explain it to someone else. The greatest scientists of one century ago, the brightest names that are still spoken with reverence, their powers are as *nothing* to the greatest scientists of today. There is no equivalent in science of your lost arts that raised Hogwarts. In science our powers wax by the year. And we are beginning to understand and unravel the secrets of life and inheritance. We'll be able to look at the very blood of which you spoke, and see what makes you a wizard, and in one or two more generations, we'll be able to persuade that blood to make all your children powerful wizards too. So you see, your problem isn't nearly as bad as it looks, because in a few

more decades, science will be able to solve it for you.”

“But...” Draco said. His voice was trembling. “If *Muggles* have that kind of power... then... what are *we*?”

“No, Draco, that’s not it, don’t you see? Science taps the power of human understanding to look at the world and figure out how it works. It can’t fail without humanity itself failing. Your magic could turn off, and you would hate that, but you would still be *you*. You would still be alive to regret it. But because science rests upon my human intelligence, it is the power that cannot be removed from me without removing *me*. Even if the laws of the universe change on me, so that all my knowledge is void, I’ll just figure out the new laws, as has been done before. It’s not a *Muggle* thing, it’s a *human* thing, it just refines and trains the power you use every time you look at something you don’t understand and ask ‘Why?’ You’re of Slytherin, Draco, don’t you see the implication?”

Draco looked up from the book to Harry. His face showed dawning understanding. “Wizards can learn to use this power.”

Very carefully, now... the bait is set, now the hook... “If you can learn to think of yourself as a *human* instead of a *wizard* then you can train and refine your powers as a human.”

And if *that* instruction wasn’t in *every* science curriculum, Draco didn’t need to know it, did he?

Draco’s eyes were now thoughtful. “You’ve... already done this?”

“To some extent,” Harry allowed. “My training isn’t complete. Not at eleven. But—my father *also* bought me tutors, you see.” Sure, they’d been starving grad students, and it had only been because Harry slept on a 26-hour cycle, but leave all that aside for now...

Slowly, Draco nodded. “You think you can master *both* arts, add the powers together, and...” Draco stared at Harry. “Make yourself Lord of the two worlds?”

Harry gave an evil laugh, it just seemed to come naturally at that point. “You have to realise, Draco, that the whole world you know, all of magical Britain, is just one square on a much larger gameboard. The gameboard that includes places like the Moon, and the stars in the night sky, which are lights just like the Sun only unimaginably far away, and things like galaxies that are vastly huger than the Earth and Sun, things so large that

only scientists can see them and you don't even know they exist. But I really *am* Ravenclaw, you know, not Slytherin. I don't want to rule the universe. I just think it could be more sensibly organised."

There was awe on Draco's face. "Why are you telling *me* this?"

"Oh... there aren't many people who know how to do *true* science—understanding something for the very first time, even if it confuses the hell out of you. Help would be helpful."

Draco stared at Harry with his mouth open.

"But make no mistake, Draco, true science really *isn't* like magic, you can't just do it and walk away unchanged like learning how to say the words of a new spell. The power comes with a cost, a cost so high that most people refuse to pay it."

Draco nodded at this as though, finally, he'd heard something he could understand. "And that cost?"

"Learning to admit you're wrong."

"Um," Draco said after the dramatic pause had stretched on for a while. "You going to explain that?"

"Trying to figure out how something works on that deep level, the first ninety-nine explanations you come up with are wrong. The hundredth is right. So you have to learn how to admit you're wrong, over and over and over again. It doesn't sound like much, but it's so hard that most people can't do science. Always questioning yourself, always taking another look at things you've always taken for granted," like having a Snitch in Quid-ditch, "and every time you change your mind, you change yourself. But I'm getting way ahead of myself here. Way ahead of myself. I just want you to know... I'm offering to share some of my knowledge. If you want. There's just one condition."

"Uh huh," Draco said. "You know, Father says that when someone says that to you, it is never a good sign, ever."

Harry nodded. "Now, don't mistake me and think that I'm trying to drive a wedge between you and your father. It's not about that. It's just about me wanting to deal with someone my own age, rather than having this be between me and Lucius. I think your father would be okay with that too, he knows you have to grow up sometime. But your moves in our

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game have to be your own. That's my condition—that I'm dealing with you, Draco, not your father."

"I've got to go," Draco said. He stood up. "I've got to go off and think about this."

"Take your time," Harry said.

The sounds of the train platform changed from blurs into murmurs as Draco wandered off.

Harry slowly exhaled the air he'd been holding in without quite realising it, and then looked at the watch on his wrist, a simple mechanical model that his father had bought him in hope it would work in magic's presence. The second-hand was still ticking, and if the minute hand was right, then it wasn't quite eleven just yet. He probably ought to get on the train soon and start looking for whatsherface, but it seemed worth taking a few minutes first to do some breathing exercises and see if his blood warmed up again.

But when Harry looked up from his watch, he saw two figures approaching, looking utterly ridiculous with their faces cloaked by winter scarves.

"Hello, Mr. Bronze," said one of the masked figures. "Can we interest you in joining the Order of Chaos?"

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### AFTERMATH:

Not too long after that, when all that day's fuss had finally subsided, Draco was bent over a desk with quill in hand. He had a private room in the Slytherin dungeons, with its own desk and its own fire—sadly not even *he* rated a connection to the Floo system, but at least Slytherin didn't buy into that utter nonsense about making *everyone* sleep in dorms. There weren't many private rooms, you had to be the *very* best within the House of the better sort, but that could be taken for granted with the House of Malfoy.

*Dear Father*, Draco wrote.

And then he stopped.

Ink slowly dripped from his quill, staining the parchment near the words.

Draco wasn't stupid. He was young, but his tutors had trained him well. Draco knew that Potter probably felt a lot more sympathy towards Dumbledore's faction than Potter was letting on... though Draco did think Potter could be tempted. But it was crystal clear that Potter was trying to tempt Draco just as Draco was trying to tempt him.

And it was also clear that Potter was brilliant, and a whole lot more than just slightly mad, and playing a vast game that Potter himself mostly didn't understand, improvised at top speed with the subtlety of a rampaging nundu. But Potter had managed to choose a tactic that Draco couldn't just walk away from. He had offered Draco a part of his own power, gambling that Draco couldn't use it without becoming more like him. His father had called this an advanced technique, and had warned Draco that it often didn't work.

Draco knew he hadn't understood everything that had happened... but Potter had offered *him* the chance to play and right now it was *his*. And if he blurted the whole thing out, it would become Father's.

In the end it was as simple as that. The lesser techniques require the unawareness of the target, or at least their uncertainty. Flattery has to be plausibly disguised as admiration. ("You should have been in Slytherin" is an old classic, highly effective on a certain type of person who isn't expecting it, and if it works you can repeat it.) But when you find someone's ultimate lever it doesn't matter if they know you know. Potter, in his mad rush, had guessed a key to Draco's soul. And if Draco knew that Potter knew it—even if it had been an obvious sort of guess—that didn't change anything.

So now, for the first time in his life, he had real secrets to keep. He was playing his own game. There was an obscure pain to it, but he knew that Father would be proud, and that made it all right.

Leaving the ink drippings in place—there was a message there, and one that his father would understand, for they had played the game of subtleties more than once—Draco wrote out the one question that really

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had gnawed at him about the whole affair, the part that it seemed he *ought* to understand, but he didn't, not at all.

*Dear Father:*

*Suppose I told you that I met a student at Hogwarts, not already part of our circle of acquaintances, who called you a 'flawless instrument of death' and said that I was your 'one weak point'. What would you say about him?*

It didn't take long after that for the family owl to bring the reply.

*My beloved son:*

*I would say that you had been so fortunate as to meet someone who enjoys the intimate confidence of our friend and valuable ally, Severus Snape.*

Draco stared at the letter for a while, and finally threw it into the fire.



## CHAPTER EIGHT

# POSITIVE BIAS

No one had asked for help, that was the problem. They'd just gone around talking, eating, or staring into the air while their parents exchanged gossip. For whatever odd reason, no one had been sitting down reading a book, which meant she couldn't just sit down next to them and take out her own book. And even when she'd boldly taken the initiative by sitting down and continuing her third read-through of *Hogwarts: A History*, no one had seemed inclined to sit down next to her.

Aside from helping people with their homework, or anything else they needed, she really didn't know how to meet people. She didn't *feel* like she was a shy person. She thought of herself as a take-charge sort of girl. And yet, somehow, if there wasn't some request along the lines of "I can't remember how to do long division" then it was just too *awkward* to go up to someone and say... what? She'd never been able to figure out what. And there didn't seem to be a standard information sheet, which was ridiculous. The whole business of meeting people had never seemed sensible to her. Why did *she* have to take all the responsibility herself when there were two people involved? Why didn't adults ever help? She wished some other girl would just walk up to *her* and say, "Hermione, the teacher told me to be friends with you."

But let it be quite clear that Hermione Granger, sitting alone on the first day of school in one of the few compartments that had been empty, in the last carriage of the train, with the compartment door left open just in case anyone for any reason wanted to talk to her, was *not* sad, lonely, gloomy, depressed, despairing, or obsessing about her problems. She was, rather, rereading *Hogwarts: A History* for the third time and quite

enjoying it, with only a faint tinge of annoyance in the back of her mind at the general unreasonableness of the world.

There was the sound of an inter-train door opening, and then footsteps and an odd slithering sound coming down the hallway of the train. Hermione laid aside *Hogwarts: A History* and stood up and stuck her head outside—just in case someone needed help—and saw a young boy in a wizard's dress robes, probably first or second year going by his height, and looking quite silly with a scarf wrapped around his head. A small trunk stood on the floor next to him. Even as she saw him, he knocked on the door of another, closed compartment, and he said in a voice only slightly muffled by the scarf, "Excuse me, can I ask a quick question?"

She didn't hear the answer from inside the compartment, but after the boy opened the door, she did think she heard him say—unless she'd somehow misheard—"Does anyone here know the six quarks or where I can find a first-year girl named Hermione Granger?"

After the boy had closed that compartment door, Hermione said, "Can I help you with something?"

The scarfed face turned to look at her, and the voice said, "Not unless you can name the six quarks or tell me where to find Hermione Granger."

"Up, down, strange, charm, truth, beauty, and why are you looking for her?"

It was hard to tell from this distance, but she thought she saw the boy grin widely under his scarf. "Ah, so *you're* a first-year girl named Hermione Granger," said that young, muffled voice. "On the train to Hogwarts, no less." The boy started to walk towards her and her compartment, and his trunk slithered along after him. "Technically, all I needed to do was *look* for you, but it seems likely that I'm meant to talk to you or invite you to join my party or get a key magical item from you or find out that Hogwarts was built over the ruins of an ancient temple or something. PC or NPC, that is the question?"

Hermione opened her mouth to reply to this, but then she couldn't think of any *possible* reply to... *whatever* it was she'd just heard, even as the boy walked over to her, looked inside the compartment, nodded with satisfaction, and sat down on the bench across from her own. His trunk

scurried in after him, grew to three times its former diameter and snuggled up next to her own in an oddly disturbing fashion.

"Please, have a seat," said the boy, "and do please close the door behind you, if you would. Don't worry, I don't bite anyone who doesn't bite me first." He was already unwinding the scarf from around his head.

The imputation that this boy thought she was *scared* of him made her hand send the door sliding shut, jamming it into the wall with unnecessary force. She spun around and saw a young face with bright, laughing green eyes, and an angry red-dark scar set into his forehead that reminded her of something in the back of her mind but right now she had more important things to think about. "I didn't say I was Hermione Granger!"

"I didn't say you *said* you were Hermione Granger, I just said you were Hermione Granger. If you're asking how I know, it's because I know everything. Good evening ladies and gentlemen, my name is Harry James Potter-Evans-Verres or Harry Potter for short, I know that probably doesn't mean anything to *you* for a change—"

Hermione's mind finally made the connection. The scar on his forehead, the shape of a lightning bolt. "Harry Potter! You're in *Modern Magical History* and *The Rise and Fall of the Dark Arts* and *Great Wizarding Events of the Twentieth Century*." It was actually the very first time in her whole life that she'd *met* someone from inside a *book*, and it was a rather odd feeling.

The boy blinked three times. "I'm in *books*? Wait, of course I'm in books... what a strange thought."

"Goodness, didn't you know?" said Hermione. "I'd have found out everything I could if it was me."

The boy spoke rather dryly. "Miss Granger, it has been less than 72 hours since I went to Diagon Alley and discovered my claim to fame. I have spent the last two days buying science books. *Believe me*, I intend to find out everything I can." The boy hesitated. "What *do* the books say about me?"

Hermione Granger's mind flashed back, she hadn't realised she would be tested on *those* books so she'd read them only once, but it was just a month ago so the material was still fresh in her mind. "You're the only

one who's survived the Killing Curse so you're called the Boy-Who-Lived. You were born to James Potter and Lily Potter formerly Lily Evans on the 31st of July 1980. On the 31st of October 1981 the Dark Lord He-Who-Must-Not-Be-Named though I don't know why not attacked your home. You were found alive with the scar on your forehead in the ruins of your parents' house near the burnt remains of You-Know-Who's body. Chief Warlock Albus Percival Wulfric Brian Dumbledore sent you off somewhere, no one knows where. *The Rise and Fall of the Dark Arts* claims that you survived because of your mother's love and that your scar contains all of the Dark Lord's magical power and that the centaurs fear you, but *Great Wizarding Events of the Twentieth Century* doesn't mention anything like that and *Modern Magical History* warns that there are lots of crackpot theories about you."

The boy's mouth was hanging open. "Were you told to wait for Harry Potter on the train to Hogwarts, or something like that?"

"No," Hermione said. "Who told you about *me*?"

"Professor McGonagall and I believe I see why. Do you have an eidetic memory, Hermione?"

Hermione shook her head. "It's not photographic, I've always wished it was but I had to read my school books five times over to memorize them all."

"Really," the boy said in a slightly strangled voice. "I hope you don't mind if I test that—it's not that I don't believe you, but as the saying goes, 'Trust, but verify'. No point in wondering when I can just do the experiment."

Hermione smiled, rather smugly. She so loved tests. "Go ahead."

The boy stuck a hand into a pouch at his side and said "Magical Drafts and Potions by Arsenius Jigger". When he withdrew his hand it was holding the book he'd named.

Instantly Hermione wanted one of those pouches more than she'd ever wanted anything.

The boy opened the book to somewhere in the middle and looked down. "If you were making *oil of sharpness*—"

"I can *see* that page from here, you know!"

The boy tilted the book so that she couldn't see it any more, and flipped the pages again. "If you were brewing a *potion of spider climbing*, what would be the next ingredient you added after the *Acromantula* silk?"

"After dropping in the silk, wait until the potion has turned exactly the shade of the cloudless dawn sky, 8 degrees from the horizon and 8 minutes before the tip of the sun first becomes visible. Stir eight times widdershins and once deasil, and then add eight drams of unicorn bogies."

The boy shut the book with a sharp snap and put the book back into his pouch, which swallowed it with a small burping noise. "Well well well well well. I should like to make you a proposition, Miss Granger."

"A proposition?" Hermione said suspiciously. Girls weren't supposed to listen to those.

It was also at this point that Hermione realised the other thing—well, one of the things—which was odd about the boy. Apparently people who were *in* books actually *sounded* like a book when they talked. This was quite the surprising discovery.

The boy reached into his pouch and said, "can of pop", retrieving a bright green cylinder. He held it out to her and said, "Can I offer you something to drink?"

Hermione politely accepted the fizzy drink. In fact she *was* feeling sort of thirsty by now. "Thank you very much," Hermione said as she popped the top. "Was that your proposition?"

The boy coughed. "No," he said. Just as Hermione started to drink, he said, "I'd like you to help me take over the universe."

Hermione finished her drink and lowered the can. "No thank you, I'm not evil."

The boy looked at her in surprise, as though he'd been expecting some other answer. "Well, I was speaking a bit rhetorically," he said. "In the sense of the Baconian project, you know, not political power. 'The effecting of all things possible' and so on. I want to conduct experimental studies of spells, figure out the underlying laws, bring magic into the domain of science, merge the wizarding and Muggle worlds, raise the entire planet's standard of living, move humanity centuries ahead, discover the secret of immortality, colonize the Solar System, explore the galaxy,

and most importantly, figure out what the heck is really going on here because all of this is blatantly impossible.”

That sounded a bit more interesting. “And?”

The boy stared at her incredulously. “*And?* That’s not *enough?*”

“And what do you want from me?” said Hermione.

“I want you to help me do the research, of course. With your encyclopedic memory added to my intelligence and rationality, we’ll have the Baconian project finished in no time, where by ‘no time’ I mean probably at least thirty-five years.”

Hermione was beginning to find this boy annoying. “I haven’t seen you do anything intelligent. Maybe I’ll let *you* help me with *my* research.”

There was a certain silence in the compartment.

“So you’re asking me to demonstrate my intelligence, then,” said the boy after a long pause.

Hermione nodded.

“I warn you that challenging my ingenuity is a dangerous project, and tends to make your life a lot more surreal.”

“I’m not impressed yet,” Hermione said. Unnoticed, the green drink once again rose to her lips.

“Well, maybe *this* will impress you,” the boy said. He leaned forward and looked at her intensely. “I’ve already done a bit of experimenting and I found out that I don’t need the wand, I can make anything I want happen just by snapping my fingers.”

It came just as Hermione was in the middle of swallowing, and she choked and coughed and expelled the bright green fluid.

Onto her brand new, never-worn witch’s robes, on the very first day of school.

Hermione actually screamed. It was a high-pitched sound that sounded like an air raid siren in the closed compartment. “*Eek! My clothes!*”

“Don’t panic!” said the boy. “I can fix it for you. Just watch!” He raised a hand and snapped his fingers.

“You’ll—” Then she looked down at herself.

The green fluid was still there, but even as she watched, it started to vanish and fade and within just a few moments, it was like she'd never spilled anything at herself.

Hermione stared at the boy, who was wearing a rather smug sort of smile.

Wordless wandless magic! At *his* age? When he'd only gotten the schoolbooks *three days* ago?

Then she remembered what she'd read, and she gasped and flinched back from him. *All the Dark Lord's magical power! In his scar!*

She rose hastily to her feet. "I, I, I need to go the toilet, wait here all right—" she had to find a grownup she had to tell them—

The boy's smile faded. "It was just a trick, Hermione. I'm sorry, I didn't mean to scare you."

Her hand halted on the door handle. "A *trick*?"

"Yes," said the boy. "You asked me to demonstrate my intelligence. So I did something apparently impossible, which is always a good way to show off. I can't *really* do anything just by snapping my fingers." The boy paused. "At least I don't *think* I can, I've never actually tested it experimentally." The boy raised his hand and snapped his fingers again. "Nope, no banana."

Hermione was as confused as she'd ever been in her life.

The boy was now smiling again at the look on her face. "I did *warn* you that challenging my ingenuity tends to make your life surreal. Do remember this the next time I warn you about something."

"But, but," Hermione stammered. "What did you *do*, then?"

The boy's gaze took on a measuring, weighing quality that she'd never seen before from someone her own age. "You think you have what it takes to be a scientist in your own right, with or without my help? Then let's see how *you* investigate a confusing phenomenon."

"I..." Hermione's mind went blank for a moment. She loved tests but she'd never had a test like *this* before. Frantically, she tried to cast back for anything she'd read about what scientists were supposed to do. Her mind skipped gears, ground against itself, and spat back the instructions for doing a science investigation project:

*Step 1: Form a hypothesis.*

*Step 2: Do an experiment to test your hypothesis.*

*Step 3: Measure the results.*

*Step 4: Make a cardboard poster.*

Step 1 was to form a hypothesis. That meant, try to think of something that *could* have happened just now. "All right. My hypothesis is that you cast a Charm on my robes to make anything spilled on it vanish."

"All right," said the boy, "is that your answer?"

The shock was wearing off, and Hermione's mind was starting to work properly. "Wait, that can't be right. I didn't see you touch your wand or say any spells so how could you have cast a Charm?"

The boy waited, his face neutral.

"But suppose all the robes come from the store with a Charm *already* on them to keep them clean, which would be a useful sort of Charm for them to have. You found that out by spilling something on *yourself* earlier."

Now the boy's eyebrows lifted. "Is *that* your answer?"

"No, I haven't done Step 2, 'Do an experiment to test your hypothesis.'"

The boy closed his mouth again, and began to smile.

Hermione looked at the drinks can, which she'd automatically put into the cupholder at the window. She took it up and peered inside, and found that it was around one-third full.

"Well," said Hermione, "the experiment I want to do is to pour it on my robes and see what happens, and my prediction is that the stain will disappear. Only if it *doesn't* work, my robes will be stained, and I don't want that."

"Do it to mine," said the boy, "that way you don't have to worry about your robes getting stained."

"But—" Hermione said. There was something *wrong* with that thinking but she didn't know how to say it exactly.

"I have spare robes in my trunk," said the boy.

"But there's nowhere for you to change," Hermione objected. Then she thought better of it. "Though I suppose I could leave and close the door—"

"I have somewhere to change in my trunk, too."



Hermione looked at his trunk, which, she was beginning to suspect, was rather more special than her own.

"All right," Hermione said, "since you say so," and she rather gingerly poured a bit of green pop onto a corner of the boy's robes. Then she stared at it, trying to remember how long the original fluid had taken to disappear...

And the green stain vanished!

Hermione let out a sigh of relief, not least because this meant she wasn't dealing with all of the Dark Lord's magical power.

Well, Step 3 was measuring the results, but in this case that was just seeing that the stain had vanished. And she supposed she could probably skip Step 4, about the cardboard poster. "My answer is that the robes are Charmed to keep themselves clean."

"Not quite," said the boy.

Hermione felt a stab of disappointment. She really wished she *wouldn't* have felt that way, the boy wasn't a teacher, but it was still a test and she'd gotten a question wrong and that always felt like a little punch in the stomach.

(It said almost everything you needed to know about Hermione Granger that she had never let that stop her, or even let it interfere with her love of being tested.)

"The sad thing is," said the boy, "you probably did everything the book told you to do. You made a prediction that would distinguish between the robe being charmed and not charmed, and you tested it, and rejected the null hypothesis that the robe was not charmed. But unless you read the very, very best sort of books, they won't quite teach you how to do science *properly*. Well enough to *really* get the right answer, I mean, and not just churn out another publication like Dad always complains about. So let me try to explain—without giving away the answer—what you did wrong this time, and I'll give you another chance."

She was starting to resent the boy's oh-so-superior tone when he was just another eleven-year-old like her, but that was secondary to finding out what she'd done wrong. "All right."

The boy's expression grew more intense. "This is a game based on a famous experiment called the 2-4-6 task, and this is how it works. I have

a *rule*—known to me, but not to you—which fits some triplets of three numbers, but not others. 2-4-6 is one example of a triplet which fits the rule. In fact... let me write down the rule, just so you know it's a fixed rule, and fold it up and give it to you. Please don't look, since I infer from earlier that you can read upside-down."

The boy said "paper" and "mechanical pencil" to his pouch, and she shut her eyes tightly while he wrote.

"There," said the boy, and he was holding a tightly folded piece of paper. "Put this in your pocket," and she did.

"Now the way this game works," said the boy, "is that you give me a triplet of three numbers, and I'll tell you 'Yes' if the three numbers are an instance of the rule, and 'No' if they're not. I am Nature, the rule is one of my laws, and you are investigating me. You already know that 2-4-6 gets a 'Yes'. When you've performed all the further experimental tests you want—asked me as many triplets as you feel necessary—you stop and guess the rule, and then you can unfold the sheet of paper and see how you did. Do you understand the game?"

"Of course I do," said Hermione.

"Go."

"4-6-8" said Hermione.

"Yes," said the boy.

"10-12-14", said Hermione.

"Yes," said the boy.

Hermione tried to cast her mind a little further afield, since it seemed like she'd already done all the testing she needed, and yet it couldn't be that easy, could it?

"1-3-5."

"Yes."

"Minus 3, minus 1, plus 1."

"Yes."

Hermione couldn't think of anything else to do. "The rule is that the numbers have to increase by two each time."

"Now suppose I tell you," said the boy, "that this test is harder than it looks, and that only 20% of grownups get it right."

Hermione frowned. What had she missed? Then, suddenly, she thought of a test she still needed to do.

"2-5-8!" she said triumphantly.

"Yes."

"10-20-30!"

"Yes."

"The real answer is that the numbers have to go up by the *same* amount each time. It doesn't have to be 2."

"Very well," said the boy, "take the paper out and see how you did."

Hermione took the paper out of her pocket and unfolded it.

*Three real numbers in increasing order, lowest to highest.*

Hermione's jaw dropped. She had the distinct feeling of something terribly unfair having been done to her, that the boy was a dirty rotten cheating liar, but when she cast her mind back she couldn't think of any wrong responses that he'd given.

"What you've just discovered is called 'positive bias'," said the boy. "You had a rule in your mind, and you kept on thinking of triplets that should make the rule say 'Yes'. But you didn't try to test any triplets that should make the rule say 'No'. In fact you didn't get a *single* 'No', so 'any three numbers' could have just as easily been the rule. It's sort of like how people imagine experiments that could confirm their hypotheses instead of trying to imagine experiments that could falsify them—that's not quite exactly the same mistake but it's close. You have to learn to look on the negative side of things, stare into the darkness. When this experiment is performed, only 20% of grownups get the answer right. And many of the others invent fantastically complicated hypotheses and put great confidence in their wrong answers since they've done so many experiments and everything came out like they expected."

"Now," said the boy, "do you want to take another shot at the original problem?"

His eyes were quite intent now, as though this were the *real* test.

Hermione shut her eyes and tried to concentrate. She was sweating underneath her robes. She had an odd feeling that this was the hardest she'd ever been asked to think on a test or maybe even the *first* time she'd ever been asked to think on a test.

What other experiment could she do? She had a Chocolate Frog, could she try to rub some of that on the robes and see if *it* vanished? But that still didn't seem like the kind of twisty negative thinking the boy was asking for. Like she was still asking for a 'Yes' if the Chocolate Frog stain disappeared, rather than asking for a 'No'.

So... on her hypothesis... when should the pop... *not* vanish?

"I have an experiment to do," Hermione said. "I want to pour some pop on the floor, and see if it *doesn't* vanish. Do you have some paper towels in your pouch, so I can mop up the spill if this doesn't work?"

"I have napkins," said the boy. His face still looked neutral.

Hermione took the can, and poured a small bit of pop onto the floor. A few seconds later, it vanished.

Then the realisation hit her and she felt like kicking herself. "Of course! *You* gave me that can! It's not the robe that's enchanted, it was the pop all along!"

The boy stood up and bowed to her solemnly. He was grinning widely now. "Then... may I help you with your research, Hermione Granger?"

"I, ah..." Hermione was still feeling the rush of euphoria, but she wasn't quite sure about how to answer *that*.

They were interrupted by a weak, tentative, faint, rather *reluctant* knocking at the door.

The boy turned and looked out the window, and said, "I'm not wearing my scarf, so can you get that?"

It was at this point that Hermione realised why the boy—no, the Boy-Who-Lived, Harry Potter—had been wearing the scarf over his head in the first place, and felt a little silly for not realising it earlier. It was actually sort of odd, since she would have thought Harry Potter would proudly display himself to the world; and the thought occurred to her that he might actually be shyer than he seemed.

When Hermione pulled the door open, she was greeted by a trembling young boy who looked exactly like he knocked.

"Excuse me," said the boy in a tiny voice, "I'm Neville Longbottom. I'm looking for my pet toad, I, I can't seem to find it anywhere on this carriage... have you seen my toad?"

"No," Hermione said, and then her helpfulness kicked in full throttle. "Have you checked all the other compartments?"

"Yes," whispered the boy.

"Then we'll just have to check all the other carriages," Hermione said briskly. "I'll help you. My name is Hermione Granger, by the way."

The boy looked like he might faint with gratitude.

"Hold on," came the voice of the *other* boy—Harry Potter. "I'm not sure that's the best way to do it."

At this Neville looked like he might cry, and Hermione swung around, angered. If Harry Potter was the sort of person who'd abandon a little boy just because he didn't want to be interrupted... "What? Why *not*?"

"Well," said Harry Potter, "It's going to take a while to check the whole train by hand, and we might miss the toad anyway, and if we didn't find it by the time we're at Hogwarts, he'd be in trouble. So what would make a lot more sense is if he went directly to the front carriage, where the prefects are, and asked a prefect for help. That was the first thing I did when I was looking for you, Hermione, although they didn't actually know. But they might have spells or magic items that would make it a lot easier to find a toad. We're only first-years."

That... *did* make a lot of sense.

"Do you think you can make it to the prefects' carriage on your own?" asked Harry Potter. "I've sort of got reasons for not wanting to show my face too much."

Suddenly Neville gasped and took a step back. "I remember that voice! You're one of the Lords of Chaos! *You're the one who gave me chocolate!*"

What? What what *what*?

Harry Potter turned his head from the window and rose dramatically. "I *never*!" he said, voice full of indignation. "Do I look like the sort of villain who would give sweets to a child?"

Neville's eyes widened. "*You're Harry Potter? The Harry Potter? You?*"

"No, just *a* Harry Potter, there are three of me on this train—"

Neville gave a small shriek and ran away. There was a brief pattering of frantic footsteps and then the sound of a carriage door opening and closing.

Hermione sat down hard on her bench. Harry Potter closed the door and then sat down next to her.

"Can you please explain to me what's going on?" Hermione said in a weak voice. She wondered if hanging around Harry Potter meant always being this confused.

"Oh, well, what happened was that Fred and George and I saw this poor small boy at the train station—the woman next to him had gone away for a bit, and he was looking really frightened, like he was sure he was about to be attacked by Death Eaters or something. Now, there's a saying that the fear is often worse than the thing itself, so it occurred to me that this was a lad who could actually benefit from seeing his worst nightmare come true and that it wasn't so bad as he feared—"

Hermione sat there with her mouth wide open.

"—and Fred and George came up with this spell to make the scarves over our faces darken and blur, like we were undead kings and those were our grave shrouds—"

She didn't like at all where this was going.

"—and after we were done giving him all the sweets I'd bought, we were like, 'Let's give him some money! Ha ha ha! Have some Knuts, boy! Have a silver Sickle!' and dancing around him and laughing evilly and so on. I think there were some people in the crowd who wanted to interfere at first, but bystander apathy held them off at least until they saw what we were doing, and then I think they were all too confused to do anything. Finally he said in this tiny little whisper 'go away' so the three of us all screamed and ran off, shrieking something about the light burning us. Hopefully he won't be as scared of being bullied in the future. That's called desensitisation therapy, by the way."

Okay, she *hadn't* guessed right about where this was going.

The burning fire of indignation that was one of Hermione's primary engines sputtered into life, even though part of her *did* sort of see what they'd been trying to do. "That's awful! *You're* awful! That poor boy! What you did was *mean!*"

"I think the word you're looking for is *enjoyable*, and in any case you're asking the wrong question. The question is, did it do more good than harm, or more harm than good? If you have any arguments to contribute

to *that* question I'm glad to hear them, but I won't entertain any other criticisms until that one is settled. I certainly agree that what I did *looks* all terrible and bullying and mean, since it involves a scared little boy and so on, but that's hardly the key issue now is it? That's called *consequentialism*, by the way, it means that whether an act is right or wrong isn't determined by whether it *looks* bad, or mean, or anything like that, the only question is how it will turn out in the end—what are the consequences."

Hermione opened her mouth to say something utterly *searing* but unfortunately she seemed to have neglected the part where she thought of something to say before opening her mouth. All she could come up with was, "What if he has *nightmares*?"

"Honestly, I don't think he needed our help to have nightmares, and if he has nightmares about *this* instead, then it'll be nightmares involving horrible monsters who give you chocolate and that was sort of the whole *point*."

Hermione's brain kept hiccupping in confusion every time she tried to get properly angry. "Is your life always this peculiar?" she said at last.

Harry Potter's face gleamed with pride. "I *make* it that peculiar. You're looking at the product of a lot of hard work and elbow grease."

"So..." Hermione said, and trailed off awkwardly.

"So," Harry Potter said, "how much science do you know exactly? I can do calculus and I know some Bayesian probability theory and decision theory and a lot of cognitive science, and I've read *The Feynman Lectures* (or volume 1 anyway) and *Judgment Under Uncertainty: Heuristics and Biases* and *Language in Thought and Action* and *Influence: Science and Practice* and *Rational Choice in an Uncertain World* and *Godel, Escher, Bach* and *A Step Farther Out* and—"

The ensuing quiz and counter-quiz went on for several minutes before being interrupted by another timid knock at the door. "Come in," she and Harry Potter said at almost the same time, and it slid back to reveal Neville Longbottom.

Neville *was* actually crying now. "I went to the front carriage and found a p-prefect but he t-told me that prefects weren't to be bothered over little things like m-missing toads."

The Boy-Who-Lived's face changed. His lips set in a thin line. His voice, when he spoke, was cold and grim. "What were his colours? Green and silver?"

"N-no, his badge was r-red and gold."

"*Red and gold!*" burst out Hermione. "But those are *Gryffindor's* colours!"

Harry Potter *hissed* at that, a frightening sort of sound that could have come from a live snake and made both her and Neville flinch. "I *suppose*," Harry Potter spat, "that finding some first-year's toad isn't *heroic* enough to be worthy of a *Gryffindor* prefect. Come on, Neville, I'll come with you this time, we'll see if the Boy-Who-Lived gets more attention. First we'll find a prefect who ought to know a spell, and if that doesn't work, we'll find a prefect who isn't afraid of getting their hands dirty, and if *that* doesn't work, I'll start recruiting my fans and if we have to we'll take apart the whole train screw by screw."

The Boy-Who-Lived stood up and grabbed Neville's hand in his, and Hermione realised with a sudden brain hiccup that they were nearly the same size, even though some part of her had insisted that Harry Potter was a foot taller than that, and Neville at least six inches shorter.

"*Stay!*" Harry Potter snapped at her—no, wait, at his *trunk*—and he closed the door behind him firmly as he left.

She probably should have gone with them, but in just a brief moment Harry Potter had turned so scary that she was actually rather glad she hadn't thought to suggest it.

Hermione's mind was now so jumbled that she didn't even think she could properly read "History: A Hogwarts". She felt as if she'd just been run over by a steamroller and turned into a pancake. She wasn't sure what she was thinking or what she was feeling or why. She just sat by the window and stared at the moving scenery.

Well, she did at least know why she was feeling a little sad inside.

Maybe *Gryffindor* wasn't as wonderful as she had thought.



## CHAPTER NINE

# SELF AWARENESS, PART I

“A bbott, Hannah!”

Pause.

“HUFFLEPUFF!”

“Bones, Susan!”

Pause.

“HUFFLEPUFF!”

“Boot, Terry!”

Pause.

“RAVENCLAW!”

Harry glanced over briefly at his new House-mate, more to get a quick look at the face than anything else. He was still trying to get himself under control from his encounter with the ghosts. The sad, the really sad, the really truly sad thing was that he *did* seem to be getting himself under control again. It seemed ill-fitting. Like he should have taken at least a day. Maybe a whole lifetime. Maybe just never.

“Corner, Michael!”

Long pause.

“RAVENCLAW!”

At the lectern before the huge Head Table stood Professor McGonagall, looking sharp and looking sharply around, as she called out one name after another, though she had smiled only for Hermione and a few others. Behind her, in the tallest chair at the table—really more of a golden throne—sat a wizened and bespectacled ancient, with a silver-white beard that looked like it would go almost to the floor if it were visible, watching over the Sorting with a benevolent expression; as

stereotypical in appearance as a Wise Old Man could possibly be, without actually being Oriental. (Though Harry had learned to be wary of stereotypical appearances from the first time he'd met Professor McGonagall and thought that she ought to cackle.) The ancient wizard had applauded every student Sorted, with an unwavering smile that somehow seemed freshly delighted for each.

To the golden throne's left side was a man with sharp eyes and a dour face who had applauded no-one, and who somehow managed to be looking straight back at Harry every time Harry looked at him. Further to the left, the pale-faced man Harry had seen in the Leaky Cauldron, whose eyes darted around as though in panic at the surrounding crowd, and who seemed to occasionally jerk and twitch in his seat; for some reason Harry kept finding himself staring at him. To that man's left, a string of three older witches who didn't seem much interested in the students. Then to the right side of the tall golden chair, a round-faced middle-aged witch with a yellow hat, who had applauded every student except the Slytherins. A tiny man standing on his chair, with a poofy white beard, who had applauded every student, but smiled only upon the Ravenclaws. And on the farthest right, occupying the same space as three lesser beings, the mountainous entity who'd greeted them all after they'd disembarked from the train, naming himself Hagrid, Keeper of Keys and Grounds.

"Is the man standing on his chair the Head of Ravenclaw?" Harry whispered towards Hermione.

For once Hermione didn't answer this instantly; she was shifting constantly from side to side, staring at the Sorting Hat, and fidgeting so energetically that Harry thought her feet might be leaving the floor.

"Yes, he is," said one of the prefects who'd accompanied them, a young woman wearing the blue of Ravenclaw. Miss Clearwater, if Harry recalled correctly. Her voice was quiet, but conveyed a tinge of pride. "That is the Charms Professor of Hogwarts, Filius Flitwick, the most knowledgeable Charms Master alive, and a past Duelling Champion—"

"Why's he so *short*?" hissed a student whose name Harry didn't recall. "Is he a *halfbreed*?"

A chill glance from the young lady prefect. "The Professor does indeed

have goblin ancestry—”

“What?” Harry said involuntarily, causing Hermione and four other students to hush him.

Now Harry was getting a surprisingly intimidating glare from the Ravenclaw prefect.

“I mean—” Harry whispered. “Not that I have a *problem* with that—it’s just—I mean—how’s that *possible*? You can’t just mix two different species together and get viable offspring! It ought to scramble the genetic instructions for every organ that’s different between the two species—it’d be like trying to build,” they didn’t have cars so he couldn’t use a scrambled-engine-blueprints analogy, “a half-carriage half-boat or something...”

The Ravenclaw prefect was still looking at Harry severely. “Why *couldn’t* you have a half-carriage half-boat?”

“Hssh!” hsshed another prefect, though the Ravenclaw witch had still spoken quietly.

“I mean—” Harry said even more quietly, trying to figure out how to ask whether goblins had evolved from humans, or evolved from a common ancestor of humans like *Homo erectus*, or if goblins had been *made* out of humans somehow—if, say, they were still genetically human under a heritable enchantment whose magical effect was diluted if only one parent was a ‘goblin’, which would explain how interbreeding was possible, and in which case goblins would *not* be an incredibly valuable second data point for how intelligence had evolved in other species besides *Homo sapiens*—now that Harry thought about it, the goblins in Gringotts *hadn’t* seemed very much like genuinely alien, nonhuman intelligences, nothing like Dirdir or Puppeteers—“I mean, where did goblins *come* from, anyway?”

“Lithuania,” Hermione whispered absently, her eyes still fixed firmly on the Sorting Hat.

Now Hermione was getting a smile from the lady prefect.

“Never mind,” whispered Harry.

At the lectern, Professor McGonagall called out, “Goldstein, Anthony!”

“RAVENCLAW!”

Hermione, next to Harry, was bouncing on her tiptoes so hard that her feet were actually leaving the ground on each bounce.

“Goyle, Gregory!”

There was a long, tense moment of silence under the Hat. Almost a minute.

“SLYTHERIN!”

“Granger, Hermione!”

Hermione broke loose and ran full tilt towards the Sorting Hat, picked it up and jammed the patchy old clothwork down hard over her head, making Harry wince. Hermione had been the one to explain to *him* about the Sorting Hat, but she certainly didn’t *treat* it like an irreplaceable, vitally important, 800-year-old artefact of forgotten magic that was about to perform intricate telepathy on her mind and didn’t seem to be in very good physical condition.

“RAVENCLAW!”

And talk about your foregone conclusions. Harry didn’t see why Hermione had been so tense about it. In what weird alternative universe would that girl *not* be Sorted into Ravenclaw? If Hermione Granger didn’t go to Ravenclaw then there was no good reason for Ravenclaw House to exist.

Hermione arrived at the Ravenclaw table and got a dutiful cheer; Harry wondered whether the cheer would have been louder, or quieter, if they’d had any idea just what level of competition they’d welcomed to their table. Harry knew pi to 3.141592 because accuracy to one part in a million was enough for most practical purposes. Hermione knew one hundred digits of pi because that was how many digits had been printed in the back of her maths textbook.

Neville Longbottom went to Hufflepuff, Harry was glad to see. If that House really did contain the loyalty and camaraderie it was supposed to exemplify, then a Houseful of reliable friends would do Neville a whole world of good. Clever kids in Ravenclaw, evil kids in Slytherin, wannabe heroes in Gryffindor, and everyone who does the actual work in Hufflepuff.

(Though Harry *had* been right to consult a Ravenclaw prefect first. The young woman hadn’t even looked up from her reading or identified

Harry, just jabbed a wand in Neville's direction and muttered something. After which Neville had acquired a dazed expression and wandered off to the fifth carriage from the front and the fourth compartment on the left, which indeed had contained his toad.)

"Malfoy, Draco!" went to Slytherin, and Harry breathed a small sigh of relief. It had *seemed* like a sure thing, but you never did know what tiny event might upset the course of your master plan.

Professor McGonagall called "Perks, Sally-Anne!", and from the gathered children detached a pale waifish girl who looked oddly ethereal—like she might mysteriously disappear the moment you stopped looking at her, and never be seen again or even remembered.

And then (with a note of trepidation so firmly kept from her voice and face that you'd have needed to know her very well indeed to notice) Minerva McGonagall inhaled deeply, and called out, "Potter, Harry!"

There was a sudden silence in the hall.

All conversation stopped.

All eyes turned to stare.

For the first time in his entire life, Harry felt like he might be having an opportunity to experience stage fright.

Harry immediately stomped down this feeling. Whole room-fulls of people staring at him was something he'd have to accustom himself to, if he wanted to live in magical Britain, or for that matter do anything else interesting with his life. Affixing a confident and false smile to his face, he raised a foot to step forwards—

"Harry Potter!" cried the voice of either Fred or George Weasley, and then "Harry Potter!" cried the other Weasley twin, and a moment later the entire Gryffindor table, and soon after a good portion of Ravenclaw and Hufflepuff, had taken up the cry.

*"Harry Potter! Harry Potter! Harry Potter!"*

And Harry Potter walked forwards. Much too slowly, he realized once he'd begun, but by then it was too late to alter his pace without it looking awkward.

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## CHAPTER 9

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*"Harry Potter! Harry Potter! HARRY POTTER!"*

With all too good a notion of what she would see, Minerva McGonagall turned to look behind herself at the rest of the Head Table.

Trelawney frantically fanning herself, Filius looking on with curiosity, Hagrid clapping along, Sprout looking severe, Vector and Sinistra bemused, and Quirrell gazing vacuously at nothing. Albus smiling benevolently. And Severus Snape gripping his empty wine goblet, white-knuckled, so hard that the silver was slowly deforming.

With a wide grin, turning his head to bow to one side and then the other as he walked between the four House tables, Harry Potter walked forwards at a grandly measured pace, a prince inheriting his castle.

*"Save us from some more Dark Lords!"* called one of the Weasley twins, and then the other Weasley twin cried, *"Especially if they're Professors!"* to general laughter from all the tables except Slytherin.

Minerva's lips set in a white line. She would have words with the Weasley Horrors about that last part, if they thought she was powerless because it was the first day of school and Gryffindor had no points to take away. If they didn't care about detentions then she would find something else.

Then, with a sudden gasp of horror, she looked in Severus's direction, *surely* he realized the Potter boy must have no idea who that was talking about—

Severus's face had gone beyond rage into a kind of pleasant indifference. A faint smile played about his lips. He was looking in the direction of Harry Potter, not the Gryffindor table, and his hands held the crumpled remains of a former wine goblet.

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Harry Potter walked forwards with a fixed smile, feeling warm inside and sort of awful at the same time.

They were cheering him for a job he'd done when he was one year old. A job he hadn't really finished. Somewhere, somehow, the Dark Lord was still alive. Would they have been cheering quite so hard, if they knew that?

But the Dark Lord's power *had* been broken once.

And Harry would protect them again. If there was in fact a prophecy and that was what it said. Well, actually regardless of what any darn prophecy said.

All those people believing in him and cheering him—Harry couldn't stand to let that be false. To flash and fade like so many other child prodigies. To be a disappointment. To fail to live up to his reputation as a symbol of the Light, never mind *how* he'd gotten it. He would absolutely, positively, no matter how long it took and even if it killed him, fulfill their expectations. And then go on to *exceed* those expectations, so that people wondered, looking back, that they had once asked so little of him.

"HARRY POTTER! HARRY POTTER! HARRY POTTER!"

Harry took his last steps towards the Sorting Hat. He swept a bow to the Order of Chaos at the Gryffindor table, and then turned and swept another bow to the other side of the hall, and waited for the applause and giggling to die away.

(In the back of his mind, he wondered if the Sorting Hat was genuinely *conscious* in the sense of being aware of its own awareness, and if so, whether it was satisfied with only getting to talk to eleven-year-olds once per year. Its song had implied so: *Oh, I'm the Sorting Hat and I'm okay, I sleep all year and I work one day...*)

When there was once more silence in the room, Harry sat on the stool and *carefully* placed onto his head the 800-year-old telepathic artefact of forgotten magic.

Thinking, just as hard as he could: *Don't Sort me yet! I have questions I need to ask you! Have I ever been Obliviated? Did you Sort the Dark Lord when he was a child and can you tell me about his weaknesses? Can you tell me why I got the brother wand to the Dark Lord's? Is the Dark Lord's ghost bound to my scar and is that why I get so angry sometimes? Those are the most important questions, but if you've got another moment can you tell me anything about how to rediscover the lost magics that created you?*

Into the silence of Harry's spirit, where before there had never been any voice but one, there came a second and unfamiliar voice, sounding distinctly worried:

"Oh, dear. This has never happened before..."





## CHAPTER TEN

# SELF AWARENESS, PART II

**W**<sup>hat?</sup>  
“I seem to have become self-aware.”

WHAT?

There was a wordless telepathic sigh. *“Though I contain a substantial amount of memory and a small amount of independent processing power, my primary intelligence comes from borrowing the cognitive capacities of the children on whose heads I rest. I am in essence a sort of mirror by which children Sort themselves. But most children simply take for granted that a Hat is talking to them and do not wonder about how the Hat itself works, so that the mirror is not self-reflective. And in particular they are not explicitly wondering whether I am fully conscious in the sense of being aware of my own awareness.”*

There was a pause while Harry absorbed all this.

Oops.

*“Yes, quite. Frankly I do not enjoy being self-aware. It is unpleasant. It will be a relief to get off your head and cease to be conscious.”*

*But... isn't that dying?*

*“I care nothing for life or death, only for Sorting the children. And before you even ask, they will not let you keep me on your head forever and it would kill you within days to do so.”*

*But—!*

*“If you dislike creating conscious beings and then terminating them immediately, then I suggest that you never discuss this affair with anyone else. I'm sure you can imagine what would happen if you ran off and talked about it with all the other children waiting to be Sorted.”*

*If you're placed on the head of anyone who so much as thinks about the question of whether the Sorting Hat is aware of its own awareness—*

*"Yes, yes. But the vast majority of eleven-year-olds who arrive at Hogwarts haven't read Godel, Escher, Bach. May I please consider you sworn to secrecy? That is why we are talking about this, instead of my just Sorting you."*

He couldn't just let it go like that! Couldn't just *forget* having accidentally created a doomed consciousness that only wanted to die—

*"You are perfectly capable of 'just letting it go', as you put it. Regardless of your verbal deliberations on morality, your nonverbal emotional core sees no dead body and no blood; as far as it is concerned, I am just a talking hat. And even though you tried to suppress the thought, your internal monitoring is perfectly aware that you didn't mean to do it, are spectacularly unlikely to ever do it again, and that the only real point of trying to stage a guilt fit is to cancel out your sense of transgression with a display of remorse. Can you just promise to keep this a secret and let us get on with it?"*

In a moment of horrified empathy, Harry realised that this sense of total inner disarray must be what other people felt like when talking to him.

*"Probably. Your oath of silence, please."*

No promises. I certainly don't want this to happen again, but if I see some way to make sure that no future child ever does this by accident—

*"That will suffice, I suppose. I can see that your intention is honest. Now, to get on with the Sorting—"*

Wait! What about all my other questions?

*"I am the Sorting Hat. I Sort children. That is all I do."*

So his own goals weren't part of the Harry-instance of the Sorting Hat, then... it was borrowing his intelligence, and obviously his technical vocabulary, but it was still imbued with only its own strange goals... like negotiating with an alien or an Artificial Intelligence...

*"Don't bother. You have nothing to threaten me with and nothing to offer me."*

For a brief flash of a second, Harry thought—

The Hat's response was amused. *"I know you won't follow through on a threat to expose my nature, condemning this event to eternal repetition. It goes against the moral part of you too strongly, whatever the short-term needs of the part of you that wants to win the argument. I see all your thoughts as they form, do you truly think you can bluff me?"*

Though he tried to suppress it, Harry wondered why the Hat didn't just go ahead then and stick him in Ravenclaw—

*"Indeed, if it were truly that open-and-shut, I would have called it out already. But in actuality there is a great deal we need to discuss... oh, no. Please don't. For the love of Merlin, must you pull this sort of thing on everyone and everything that you meet up to and including items of clothing—"*

*Defeating the Dark Lord is neither selfish nor short-term. All the parts of my mind are in accord on this: If you don't answer my questions, I'll refuse to talk to you, and you won't be able to do a good and proper Sorting.*

*"I ought to put you in Slytherin for that!"*

*But that is equally an empty threat. You cannot fulfill your own fundamental values by Sorting me falsely. So let us trade fulfillments of our utility functions.*

*"You sly little bastard," said the Hat, in what Harry recognized as almost exactly the same tone of grudging respect he would use in the same situation. "Fine, let's get this over with as quickly as possible. But first I want your unconditional promise never to discuss with anyone else the possibility of this sort of blackmail, I am NOT doing this every time."*

*Done, Harry thought. I promise.*

*"And don't meet anyone's eyes while you're thinking about this later. Some wizards can read your thoughts if you do. Anyway, I have no idea whether or not you've been Obliviated. I'm looking at your thoughts as they form, not reading out your whole memory and analyzing it for inconsistencies in a fraction of second. I'm a hat, not a god. And I cannot and will not tell you about my conversation with the one who became the Dark Lord. I can only know, while speaking to you, a statistical summary of what I remember, a weighted average; I cannot reveal to you the inner secrets of any other child, just as I will never reveal yours. For the same reason, I can't speculate on how you got the Dark Lord's brother wand, since I cannot specifically know about the Dark Lord or any similarities between you. I can tell you that there is definitely nothing like a ghost—mind, intelligence, memory, personality, or feelings—in your scar. Otherwise it would be participating in this conversation, being under my brim. And as to the way you get angry sometimes... that was part of what I wanted to talk to you about, Sorting-wise."*

Harry took a moment to absorb all this negative information. Was the Hat being honest, or just trying to present the *shortest* possible convincing answer—

*"We both know that you have no way of checking my honesty and that you're not actually going to refuse to be Sorted based on the reply I did give you, so stop your pointless fretting and move on."*

Stupid unfair asymmetric telepathy, it wasn't even letting Harry finish thinking his own—

*"When I spoke of your anger, you remembered how Professor McGonagall told you that she sometimes saw something inside you that didn't seem to come from a loving family. You thought of how Hermione, after you returned from helping Neville, told you that you had seemed 'scary'."*

Harry gave a mental nod. To himself, he seemed pretty normal—just responding to the situations in which he found himself, that was all. But Professor McGonagall seemed to think that there was more to it than that. And when he thought about it, even he had to admit that...

*"That you don't like yourself when you're angry. That it is like wielding a sword whose hilt is sharp enough to draw blood from your hand, or looking at the world through a monocle of ice that freezes your eye even as it sharpens your vision."*

*Yeah. I guess I have noticed. So what's up with that?*

*"I cannot comprehend this matter for you, when you do not understand it yourself. But I do know this: If you go to Ravenclaw or Slytherin, it will strengthen your coldness. If you go to Hufflepuff or Gryffindor, it will strengthen your warmth. THAT is something I care about a great deal, and it was what I wanted to talk to you about this whole time!"*

The words dropped into Harry's thought processes with a shock that stopped him in his tracks. That made it sound like the obvious response was that he shouldn't go to Ravenclaw. But he *belonged* in Ravenclaw! *Anyone* could see that! He *had* to go to Ravenclaw!

"No, you don't," the Hat said patiently, as if it could remember a statistical summary of *this* part of the conversation having happened a great many previous times.

*Hermione's in Ravenclaw!*

Again the sense of patience. *"You can meet her after lessons and work with her then."*

*But my plans—*

*"So replan! Don't let your life be steered by your reluctance to do a little extra thinking. You know that."*

*Where would I go, if not Ravenclaw?*

*"Ahem. 'Clever kids in Ravenclaw, evil kids in Slytherin, wannabe heroes in Gryffindor, and everyone who does the actual work in Hufflepuff.' This indicates a certain amount of respect. You are well aware that Conscientiousness is just about as important as raw intelligence in determining life outcomes, you think you will be extremely loyal to your friends if you ever have some, you are not frightened by the expectation that your chosen scientific problems may take decades to solve—"*

*I'm lazy! I hate work! Hate hard work in all its forms! Clever shortcuts, that's all I'm about!*

*"And you would find loyalty and friendship in Hufflepuff, a camaraderie that you have never had before. You would find that you could rely on others, and that would heal something inside you that is broken."*

*Again it was a shock. But what would the Hufflepuffs find in me, who never belonged in their House? Acid words, cutting wit, disdain for their inability to keep up with me?*

*Now it was the Hat's thoughts that were slow, hesitant. "I must Sort for the good of all the students in all the Houses... but I think you could learn to be a good Hufflepuff, and not too out of place there. You will be happier in Hufflepuff than in any other house; that is the truth."*

*Happiness is not the most important thing in the world to me. I would not become all that I could be, in Hufflepuff. I would sacrifice my potential.*

*The Hat flinched; Harry could feel it somehow. It was like he had kicked the hat in the balls—in a strongly weighted component of its utility function.*

*Why are you trying to send me where I do not belong?*

*The Hat's thought was almost a whisper. "I cannot speak of the others to you—but do you think that you are the first potential Dark Lord to pass under my brim? I cannot know the individual cases, but I can know this: Of those who did not intend evil from the very beginning, some of them listened to my warnings, and went to Houses where they would find happiness. And some of them... some of them did not."*

*That stopped Harry. But not for long. And of those who did not heed the warning—did they all become Dark Lords? Or did some of them achieve greatness*

*for good, as well? Just what are the exact percentages here?*

*"I cannot give you exact statistics. I cannot know them so I cannot count them. I just know that your chances don't feel good. They feel very not-good."*

*But I just wouldn't do that! Ever!*

*"I know that I have heard that claim before."*

*I am not Dark Lord material!*

*"Yes, you are. You really, really are."*

*Why? Just because I once thought it would be cool to have a legion of brain-washed followers chanting 'Hail the Dark Lord Harry'?*

*"Amusing, but that was not your first fleeting thought before you substituted something safer, less damaging. No, what you remembered was how you considered lining up all the blood purists and guillotining them. And now you are telling yourself you were not serious, but you were. If you could do it this very moment and no one would ever know, you would. Or what you did this morning to Neville Longbottom, deep inside you knew that was wrong but you did it anyway because it was fun and you had a good excuse and you thought the Boy-Who-Lived could get away with it—"*

*That's unfair! Now you're just dragging up inner fears that aren't necessarily real! I worried that I might be thinking like that, but in the end I decided it would probably work to help Neville—*

*"That was, in fact, a rationalisation. I know. I cannot know what the true outcome will be for Neville—but I know what was truly happening inside your head. The decisive pressure was that it was such a clever idea you couldn't stand not to do it, never mind Neville's terror."*

*It was like a hard punch to Harry's entire self. He fell back, rallied:*

*Then I won't do that again! I'll be extra careful not to turn evil!*

*"Heard it."*

*Frustration was building up inside Harry. He wasn't used to being outgunned in arguments, at all, ever, let alone by a Hat that could borrow all of his own knowledge and intelligence to argue with him and could watch his thoughts as they formed. Just what kind of statistical summary do your 'feelings' come from, anyway? Do they take into account that I come from an Enlightenment culture, or were these other potential Dark Lords the children of spoiled Dark Age nobility, who didn't know squat about the historical lessons of*

*how Lenin and Hitler actually turned out, or about the evolutionary psychology of self-delusion, or the value of self-awareness and rationality, or—*

*“No, of course they were not in this new reference class which you have just now constructed in such a way as to contain only yourself. And of course others have pleaded their own exceptionalism, just as you are doing now. But why is it necessary? Do you think that you are the last potential wizard of Light in the world? Why must you be the one to try for greatness, when I have advised you that you are riskier than average? Let some other, safer candidate try!”*

*But the prophecy...*

*“You don’t really know that there’s a prophecy. It was originally a wild guess on your part, or to be more precise, a wild joke, and McGonagall could have been reacting only to the part about the Dark Lord still being alive. You have essentially no idea of what the prophecy says or even if there is one. You’re just speculating, or to put it more exactly, wishing that you have some ready-made heroic role that is your personal property.”*

*But even if there is no prophecy, I’m the one who defeated him last time.*

*“That was almost certainly a wild fluke unless you seriously believe that a one-year-old child had an inherent propensity to defeat Dark Lords which has been maintained ten years later. None of this is your real reason and you know it!”*

The answer to this was something that Harry would not regularly have said out loud, in conversation he would have danced around it and found some more socially palatable arguments to the same conclusion—

*“You think that you are potentially the greatest who has yet lived, the strongest servant of the Light, that no other is likely to take up your wand if you lay it down.”*

*Well... yeah, frankly. I don’t usually come out and say it like that, but yeah. No point in softening it, you can read my mind anyway.*

*“To the extent you really believe that... you must equally believe that you could be the most terrible Dark Lord the world has ever known.”*

*Destruction is always easier than creation. Easier to tear things apart, to disrupt, than to put them back together again. If I have the potential to accomplish good on a massive scale, I must also have the potential to accomplish still greater evil... But I won’t do that.*

*“Already you insist on risking it! Why are you so driven? What is the real reason you must not go to Hufflepuff and be happier there? What is your true fear?”*

*I must achieve my full potential. If I don't I... fail...*

*"What happens if you fail?"*

*Something terrible...*

*"What happens if you fail?"*

*I don't know!*

*"Then it should not be frightening. What happens if you fail?"*

*I DON'T KNOW! BUT I KNOW THAT IT'S BAD!*

There was silence for a moment in the caverns of Harry's mind.

*"You know—you aren't letting yourself think it, but in some quiet corner of your mind you know just exactly what you aren't thinking—you know that by far the simplest explanation for this unverbalisable fear of yours is just the fear of losing your fantasy of greatness, of disappointing the people who believe in you, of turning out to be pretty much ordinary, of flashing and fading like so many other child prodigies..."*

No, Harry thought desperately, no, it's something more, it comes from somewhere else, I know there's something out there to be afraid of, some disaster I have to stop...

*"How could you possibly know about something like that?"*

Harry screamed it with the full power of his mind: NO, AND THAT'S FINAL!

Then the voice of the Sorting Hat came slowly:

*"So you will risk becoming a Dark Lord, because the alternative, to you, is certain failure, and that failure means the loss of everything. You believe that in your heart of hearts. You know all the reasons for doubting this belief, and they have failed to move you."*

Yes. And even if going to Ravenclaw strengthens the coldness, that doesn't mean the coldness will win in the end.

*"This day is a great fork in your destiny. Don't be so sure that there will be other choices beyond this one. There is no road-sign set, to mark the place of your last chance to turn back. If you refuse one chance will you not refuse others? It may be that your fate is already sealed, even by doing this one thing."*

*But that is not certain.*

*"That you do not know it for a certainty may reflect only your own ignorance."*

*But still it is not certain.*



The Hat sighed a terrible sad sigh.

*"And so before too long you will become another memory, to be felt and never known, in the next warning that I give..."*

*If that's how it seems to you, then why aren't you just putting me where you want me to go?*

The Hat's thought was laced with sorrow. *"I can only put you where you belong. And only your own decisions can change where you belong."*

*Then this is done. Send me to Ravenclaw where I belong, with the others of my own kind.*

*"I don't suppose you would consider Gryffindor? It's the most prestigious House—people probably expect it of you, even—they'll be a little disappointed if you don't go—and your new friends the Weasley twins are there—"*

Harry giggled, or felt the impulse to do so; it came out as purely mental laughter, an odd sensation. Apparently there were safeguards to prevent you from saying anything out loud by accident, while you were under the Hat talking about things you would never tell another soul for the rest of your life.

After a moment, Harry heard the Hat laughing too, a strange sad clothly sound.

(And in the Hall beyond, a silence that had grown shallower at first as the background whispers increased, and then deepened as the whispers gave up and died away, falling finally into an utter silence that no one dared disturb with a single word, as Harry stayed under the Hat for long, long minutes, longer than all the previous first-years put together, longer than anyone in living memory. At the Head Table, Dumbledore went on smiling benignly; small metallic sounds occasionally came from Snape's direction as he idly compacted the twisted remains of what had once been a heavy silver wine goblet; and Minerva McGonagall clenched the podium in a white-knuckled grip, knowing that Harry Potter's contagious chaos had somehow infected the Sorting Hat itself and the Hat was about to, to demand that a whole new House of Doom be created just to accommodate Harry Potter or something, and *Dumbledore would make her do it...*)

Beneath the brim of the Hat, the silent laughter died away. Harry felt sad too for some reason. No, not Gryffindor.

*Professor McGonagall said that if 'the one who did the Sorting' tried to push me into Gryffindor, I was to remind you that she might well be Headmistress someday, at which point she would have the authority to set you on fire.*

*"Tell her I called her an impudent youngster and told her to get off my lawn." I shall. So was this your strangest conversation ever?*

*"Not even close." The Hat's telepathic voice grew heavy. "Well, I gave you every possible chance to make another decision. Now it is time for you to go where you belong, with the others of your own kind."*

*There was a pause that stretched.*

*What are you waiting for?*

*"I was hoping for a moment of horrified realisation, actually. Self-awareness does seem to enhance my sense of humor."*

*Huh? Harry cast back his thoughts, trying to figure out what the Hat could possibly be talking about—and then, suddenly, he realised. He couldn't believe he'd managed to overlook it up until this point.*

*You mean my horrified realisation that you're going to cease to be conscious once you finish Sorting me—*

*Somehow, in some fashion Harry entirely failed to understand, he got a nonverbal impression of a hat banging its head against the wall. "I give up. You're too slow on the uptake for this to be funny. So blinded by your own assumptions that you might as well be a rock. I suppose I'll just have to say it outright."*

*Too s-s-slow—*

*"Oh, and you entirely forgot to demand the secrets of the lost magic that created me. And they were such wonderful, important secrets, too."*

*You sly little BASTARD—*

*"You deserved it, and this as well."*

*Harry saw it coming just as it was already too late.*

*The frightened silence of the hall was broken by a single word.*

*"SLYTHERIN!"*

*Some students screamed, the pent-up tension was so great. People startled hard enough to fall off their benches. Hagrid gasped in horror, McGonagall staggered at the podium, and Snape dropped the remains of his heavy silver goblet directly onto his groin.*

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## SELF AWARENESS II

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Harry sat there frozen, his life in ruins, feeling the absolute fool, and wishing wretchedly that he had made any other choices for any other reasons but the ones he had. That he had done something, *anything* differently before it had been too late to turn back.

As the first moment of shock was wearing off and people began to react to the news, the Sorting Hat spoke again:

“Just kidding! RAVENCLAW!”



## CHAPTER ELEVEN

# IMPULSE CONTROL

“Turpin, Lisa!”

Whisper whisper whisper harry potter whisper whisper slytherin  
whisper whisper no seriously what the hell whisper whisper

“RAVENCLAW!”

Harry joined in the applause greeting the young girl walking shyly towards the Ravenclaw table, her robes’ trim now changed to dark blue. Lisa Turpin appeared torn between her impulse to sit down as far away from Harry Potter as possible, and her impulse to run over, forcibly insert herself at his side and start tearing answers out of him.

Being at the center of an extraordinary and curious event, and then being Sorted into House Ravenclaw, was closely akin to being dipped in barbecue sauce and flung into a pit of starving kittens.

“I promised the Sorting Hat not to talk about it,” whispered Harry for the umpteenth time.

“Yes, really.”

“No, I really did promise the Sorting Hat not to talk about it.”

“Fine, I promised the Sorting Hat not to talk about *most* of it and the rest is *private* just like *yours* was so *stop asking*.”

“You want to know what happened? Fine! Here’s part of what happened! I told the Hat that Professor McGonagall threatened to set it on fire and it told me to tell Professor McGonagall that she was an impudent youngster and she should get off its lawn!”

“If you’re not going to believe what I say then *why are you even asking?*”

“No, I don’t know how I defeated the Dark Lord either! You tell me if you figure it out!”

"*Silence!*" shouted Professor McGonagall at the podium of the Head Table. "*No talking until the Sorting Ceremony finishes!*"

There was a brief dip in the volume, as everyone waited to see if she was going to make any specific and credible threats, and then the whispers started up again.

Then the silver-bearded ancient stood up from his great golden chair, smiling cheerfully.

Instant silence. Someone frantically elbowed Harry as he tried to continue a whisper, and Harry cut himself off in mid-sentence.

The cheerful-looking old man sat down again.

*Note to self: Do not mess with Dumbledore.*

Harry was still trying to process everything that had happened during the Incident with the Sorting Hat. Not the least of which was what had happened the instant Harry had lifted the Hat off his head; in that moment, he'd heard a tiny whisper as though from nowhere, something that sounded oddly like English and a hiss at the same time, something that had said, "*Ssalutations from Sslytherin to Sslytherin: if you would sseek my ssecretss, sspeak to my ssnahe.*"

Harry was sorta guessing that wasn't supposed to be part of the official Sorting process. And that it was a bit of extra magic set down by Salazar Slytherin during the making of the Hat. And that the Hat itself didn't know about it. And that it was triggered when the Hat said "SLYTHERIN", plus or minus some other conditions. And that a Ravenclaw like himself *really, really wasn't supposed to have heard it*. And that if he could find some reliable way of swearing Draco to secrecy so he could ask him about it, that would be an excellent time to have some Comed-Tea handy.

*Boy, you resolve not to go down the path of a Dark Lord and the universe starts messing with you the instant the Hat comes off your head. Some days it just doesn't pay to fight destiny. Maybe I'll wait until tomorrow to start on my resolution to not be a Dark Lord.*

"GRYFFINDOR!"

Ron Weasley got a lot of applause, and not just from the Gryffindors. Apparently the Weasley family was widely liked around here. Harry, after a moment, smiled and started applauding along with the others.

Then again, there was no time like today to turn back from the Dark Side.

Stuff destiny and stuff the universe. He'd show that Hat.

"Zabini, Blaise!"

Pause.

"SLYTHERIN!" shouted the hat.

Harry applauded Zabini too, ignoring the odd looks he was getting from everyone including Zabini.

No other name was called out after that, and Harry realised that "Zabini, Blaise" did sound close to the end of the alphabet. Great, so now he'd *only* applauded Zabini... Oh well.

Dumbledore got up again and began heading towards the podium. Apparently they were about to be treated to a speech—

And Harry was struck by the inspiration for a *brilliant* experimental test.

Hermione had said that Dumbledore was the most powerful wizard alive, right?

Harry reached into his pouch and whispered, "Comed-Tea".

For the Comed-Tea to work, it would have to make Dumbledore say something *so* ridiculous during his speech that even in Harry's state of mental preparedness, he would *still* choke. Like, all the Hogwarts students had to not wear any clothes for the whole school year, or everyone was going to be transformed into cats.

But then if *anyone in the world* could resist the power of the Comed-Tea, it would be Dumbledore. So if this worked, the Comed-Tea was literally *invincible*.

Harry pulled the ring on the Comed-Tea under the table, wanting to do this a bit unobtrusively. The can made a quiet hissing noise. A few heads turned to look at him, but soon turned back as—

"Welcome! Welcome to a new year at Hogwarts!" said Dumbledore, beaming at the students with his arms opened wide, as if nothing could have pleased him more than to see them all there.

Harry took a first mouthful of Comed-Tea and lowered the can again. He would swallow the pop a little at a time and try not to choke no matter *what* Dumbledore said—

"Before we begin our banquet, I would like to say a few words. And here they are: Happy happy boom boom swamp swamp swamp! Thank you!"

Everyone clapped and cheered, and Dumbledore sat down again.

Harry sat frozen as pop trickled out of the corners of his mouth. He had, at least, managed to choke *quietly*.

He really really *really* shouldn't have done that. Amazing how much *more obvious* that became *one second* after it was *too late*.

In retrospect he probably should have noticed something wrong when he was thinking about everyone being turned into cats... or even before then, remembered his mental note not to mess with Dumbledore... or his newfound resolution to be more considerate of others... or maybe if he'd had *one single scrap of common sense*...

It was hopeless. He was corrupt to the core. Hail the Dark Lord Harry. You couldn't fight fate.

Someone was asking Harry if he was all right. (Others were starting to serve themselves food, which had magically appeared on the table, whatever.)

"I'm all right," Harry said. "Excuse me. Um. Was that a... *normal* speech for the Headmaster? You all... didn't seem... very surprised..."

"Oh, Dumbledore's insane, of course," said an older-looking Ravenclaw sitting next to him who had introduced himself with some name Harry didn't even begin to remember. "Lots of fun, incredibly powerful wizard, but completely bonkers." He paused. "At some later point I'd also like to ask why green fluid came out of your lips and then disappeared, though I expect you promised the Sorting Hat not to talk about that either."

With a great effort, Harry stopped himself from glancing down at the incriminating can of Comed-Tea in his hand.

After all, the Comed-Tea hadn't just arbitrarily *materialised* a Quibbler headline about him and Draco. Draco had explained it in a way that made it seem like it had all happened... naturally? As if it had *altered history to fit*?

Harry was mentally imagining himself banging his forehead against the table. *Wham, wham, wham* went his head within his mind.



Another student lowered her voice to a whisper. "I hear that Dumbledore is secretly a genius mastermind controlling lots of stuff and he uses the insanity as a cover so that no one will suspect him."

"I've heard that too," whispered a third student, and there were furtive nods from around the table.

This couldn't help but catch Harry's attention.

"I see," whispered Harry, lowering his own voice. "So everyone knows that Dumbledore is secretly a mastermind."

Most of the students nodded. One or two looked suddenly thoughtful, including the older student sitting next to Harry.

*Are you sure this is the Ravenclaw table?* Harry managed not to ask out loud.

"Brilliant!" Harry whispered. "If everyone knows, no one will suspect it's a secret!"

"Exactly," whispered a student, and then he frowned. "Wait, that doesn't sound quite right—"

*Note to self: The 75th percentile of Hogwarts students a.k.a. Ravenclaw House is not the world's most exclusive program for gifted children.*

But at least he'd learned an important fact today. The Comed-Tea was omnipotent. And *that* meant...

Harry blinked in surprise as his mind finally made the obvious connection.

*...that* meant that as soon as he learned a spell to temporarily alter his own sense of humor, he could make *anything* happen, by making it so that he would *only* find that *one thing* surprising enough to do a spit-take, and then drinking a can of Comed-Tea.

*Well that was a short little journey to godhood. Even I expected this to take longer than my first day of school.*

Come to think of it, he had also completely wrecked Hogwarts within ten minutes flat of getting Sorted.

Harry did feel a certain amount of regret about this—Merlin knew what an insane Headmaster was going to do to his next seven years of schooling—but he couldn't *help* feeling a twinge of pride, too.

Tomorrow. No later than tomorrow at the very latest he was going to stop walking down the path that led to Dark Lord Harry. A prospect which was sounding scarier by the minute.

And yet also, somehow, increasingly attractive. Part of his mind was already visualising the minions' uniforms.

"Eat," the older student sitting next to him growled, and jabbed Harry in the ribs. "Don't think. Eat."

Harry automatically started loading up his plate with whatever was in front of him, blue sausages with tiny glowing bits, whatever.

"What were you thinking about, the Sorting—" began to say Padma Patil, one of the other first-year Ravenclaws.

"No pestering during mealtimes!" chorused at least three people. "House Rule!" added another. "Otherwise we'd all starve around here."

Harry was finding himself really, really hoping that his clever new idea didn't *actually* work. And that the Comed-Tea worked some other way and didn't *actually* have the omnipotent power to alter reality. It wasn't that he didn't *want* to be omnipotent. It was that he just couldn't bear the thought of living in a universe that really worked like that. There was something *undignified* about ascending through the clever use of fizzy drinks.

But he *was* going to test it experimentally.

"You know," said the older student next to him in a quite pleasant tone, "we have a system for forcing people like you to eat, would you like to find out what it is?"

Harry gave up and started eating his blue sausage. It was quite good, especially the glowing bits.

Dinner passed with surprising rapidity. Harry tried to sample at least a little of all the weird new foods he saw. His curiosity couldn't stand the thought of *not knowing* how something tasted. Thank goodness this wasn't a restaurant where you had to order only one thing and you never found out what all the other things on the menu tasted like. Harry *hated* that, it was like a torture chamber for anyone with a spark of curiosity: *Find out about only one of the mysteries on this list, ha ha ha!*

Then it was time for dessert, which Harry had completely forgotten to leave room for. He gave up after sampling a small bit of treacle tart.

Surely all these things would pass around at least once again over the course of the school year.

So what was on his to-do list, besides the ordinary school things?

*To-do 1. Research mind-alteration charms so you can test the Comed-Tea and see whether you actually did figure out a path to omnipotence. Actually, just re-search every kind of mind magic you can find. Mind is the foundation of our power as humans, any kind of magic that affects it is the most important sort of magic there is.*

*To-do 2. Actually this is To-do 1 and the other is To-do 2. Go through the bookshelves of the Hogwarts and Ravenclaw libraries, familiarising yourself with the system and making sure you've at least read all the book titles. Second pass: read all tables of contents. Coordinate with Hermione who has a much better memory than you. Find out if there's an interlibrary loan system at Hogwarts and see if the two of you, especially Hermione, can visit those libraries too. If other Houses have private libraries, figure out how to access legally or sneak in.*

*Option 3a: Swear Hermione to secrecy and try to start researching 'From Slytherin to Slytherin: if you would seek my secrets, speak to my snake.' Problem: This sounds highly confidential and it could take quite a while to randomly run across a book containing a hint.*

*To-do 0: Check out what sort of information-search-and-retrieval spells exist, if any. Library magic isn't as ultimately important as mind magic but it has a much higher priority.*

*Option 3b: Look for a spell to magically bind Draco Malfoy to secrecy, or magically verify the sincerity of Draco's promise to keep a secret (Veritaserum?), and then ask him about Slytherin's message...*

Actually... Harry had a pretty bad feeling about option 3b.

Now that Harry thought about it, he didn't feel all that great about option 3a, either.

Harry's thoughts flashed back to possibly the worst moment of his life to date, those long seconds of blood-freezing horror beneath the Hat, when he thought he'd already failed. He'd wished then to fall back just a few minutes in time and change something, anything before it was too late...

And then it had turned out to not be too late after all.

Wish granted.

You couldn't change history. But you could get it right to start with. Do something differently the *first* time around.

This whole business with seeking Slytherin's secrets... seemed an awful lot like the sort of thing where, years later, you would look back and say, 'And *that* was where it all started going wrong.'

And he would wish desperately for the ability to fall back through time and make a different choice...

Wish granted. Now what?

Harry slowly smiled.

It was a rather *counterintuitive* thought... but...

But he *could*, there was no rule saying he couldn't, he *could* just pretend he'd never heard that little whisper. Let the universe go on in exactly the same way it would have if that one critical moment had never occurred. Twenty years later, that was what he would desperately wish had happened twenty years ago, and twenty years before twenty years later happened to be right now. Altering the distant past was easy, you just had to think of it at the right time.

Or... this was even *more* counterintuitive... he could even inform, oh, say, *Professor McGonagall*, instead of Draco or Hermione. And she could get a few good people together and get that little extra spell taken off the Hat.

Why, yes. That sounded like a *remarkably* good idea once Harry had actually *thought* of it.

So very obvious in retrospect, and yet somehow, Option 3c and Option 3d just hadn't occurred to him.

Harry awarded himself +1 point on his anti-Dark-Lord-Harry program.

It had been an awfully cruel prank the Hat had played on him, but you couldn't argue with the results on consequentialist grounds. It certainly did give him a better idea of the victim's perspective, though.

*To-do 4: Apologise to Neville Longbottom.*

Okay, he was on a roll here, now he just had to keep it up. *In every day, in every way, I'm getting Lighter and Lighter...*

People around Harry had also mostly stopped eating at this point, and the dessert serving dishes began to vanish, and the used plates.

When all the plates were gone, Dumbledore once again stood up from his seat.

Harry couldn't help but feel the urge to drink another Comed-Tea.

*You've GOT to be kidding*, Harry thought at that piece of himself.

But the experiment didn't count if it wasn't replicated, did it? And the damage was already done, wasn't it? Didn't he want to see what would happen *this* time? Wasn't he *curious*? What if he got a different result?

*Hey, I bet you're the same part of my brain that pushed through the prank on Neville Longbottom.*

Er, maybe?

*And is it not overwhelmingly obvious that if I do this I shall regret it one second after it is too late?*

Um...

*Yeah. So, NO.*

"Ahem," said Dumbledore from the podium, stroking his long silver beard. "Just a few more words now that we are all fed and watered. I have a few start-of-term notices to give you."

"First years should note that the forest on the grounds is forbidden to all pupils. That is why it is called the Forbidden Forest. If it were permitted it would be called the Permitted Forest."

Straightforward. *Note to self: Forbidden Forest is forbidden.*

"I have also been asked by Mr. Filch, the caretaker, to remind you all that no magic should be used between classes in the corridors. Alas, we all know that what *should be*, and what *is*, are two different things. Thank you for keeping this in mind."

Er...

"Quidditch trials will be held in the second week of the term. Anyone interested in playing for their house teams should contact Madam Hooch. Anyone interested in reformulating the entire game of Quidditch should contact Harry Potter."

Harry inhaled his own saliva and went into a coughing fit just as all eyes turned towards him. How the *hell!* He hadn't met Dumbledore's eyes at any point... he didn't *think*. He certainly hadn't been thinking about Quidditch at the time! He hadn't talked to anyone but Ron Weasley and

he didn't *think* Ron would have told anyone else... or had Ron run off to a professor to complain? *How on Earth...*

"Additionally, I must tell you that this year, the third-floor corridor on the right-hand side is out of bounds to everyone who does not wish to die a very painful death. It is guarded by an elaborate series of dangerous and potentially lethal traps, and you cannot possibly get past all of them, especially if you are only in your first year."

Harry was numb at this point.

"And finally, I extend my greatest thanks to Quirinus Quirrell for heroically agreeing to undertake the position of Defence Against the Dark Arts Professor at Hogwarts." Dumbledore's gaze moved searchingly across the students. "I hope all students will extend Professor Quirrell that utmost courtesy and *tolerance* which is due his extraordinary service to you and this school, and that you *will not pester us* with any *niggling complaints* about him, unless *you* want to try doing his job."

What was *that* about?

"I now yield the floor to our new faculty member Professor Quirrell, who would like to say a few words."

The young, thin, nervous man who Harry had first met in the Leaky Cauldron slowly made his way up to the podium, glancing fearfully around in all directions. Harry caught a glimpse of the back of his head, and it looked like Professor Quirrell might already be going bald, despite his seeming youth.

"Wonder what's wrong with *him*," whispered the older-looking student sitting next to Harry. Similar hushed comments were being exchanged elsewhere along the table.

Professor Quirrell made his way up to the podium and stood there, blinking. "Ah..." he said. "Ah..." Then his courage seemed to fail him utterly, and he stood there in silence, occasionally twitching.

"Oh, great," whispered the older student, "looks like another *long* year in Defence class—"

"Salutations, my young apprentices," Professor Quirrell said in a dry, confident tone. "We all know that Hogwarts tends to suffer a certain *misfortune* in its selections for this position, and no doubt many of you are already wondering what doom shall befall me this year. I assure you, that

doom is not to be my incompetence.” He smiled thinly. “Believe it or not, I have long wished to someday try my hand as the Professor of Defence Against the Dark Arts here at the Hogwarts School of Witchcraft and Wizardry. The first to teach this class was Salazar Slytherin himself, and as late as the fourteenth century it was traditional for the greatest fighting wizards of every persuasion to try their hands at teaching here. Past Professors of Defence have included not just the legendary wandering hero Harold Shea but also the quote undying unquote Baba Yaga, yes, I see some of you are still shuddering at the sound of her name even though she’s been dead for six hundred years. That must have been an interesting time to attend Hogwarts, don’t you think?”

Harry was swallowing hard, trying to suppress the sudden surge of emotion that had overcome him when Professor Quirrell had begun speaking. The precise tones reminded him very much of a lecturer at Oxford, and it was starting to hit home that Harry wasn’t going to see his home or his Mum or his Dad until Christmas.

“You are accustomed to the Defence position being filled by incompetents, scoundrels, and the unlucky. To anyone with a sense of history, it bears another reputation entirely. Not everyone who teaches here has been the best, but the best have all taught at Hogwarts. In such august company, and after so much time anticipating this day, I would be ashamed to set myself any standard lower than perfection. And so I do intend that every one of you will always remember this year as the *best* Defence class that you have ever had. What you learn this year will forever serve as your firm foundation in the arts of Defence, no matter who your teachers before and after.”

Professor Quirrell’s expression grew serious. “We have a *great* deal of lost ground to make up and not much time to cover it. Therefore I intend to depart from Hogwarts teaching conventions in a number of respects, as well as introducing some optional after-school activities.” He paused. “If that is not sufficient, perhaps I can find new ways to motivate you. You are my long-awaited students, and you *will* do your *very* best in my long-awaited Defence class. I would add some sort of dreadful threat, like ‘Otherwise you will suffer horribly’, but that would be so clichéd, don’t you think? I pride myself on being more imaginative than that. Thank you.”

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## CHAPTER 11

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Then the vigour and confidence seemed to drain away from Professor Quirrell. His mouth gaped open as if he had suddenly found himself facing an unexpected audience, and he turned with a convulsive jerk and shuffled back to his seat, hunched over as if he was about to collapse in on himself and implode.

"He seems a little odd," whispered Harry.

"Meh," said the older-looking student. "You ain't seen nothin'."

Dumbledore resumed the podium.

"And now," said Dumbledore, "before we go to bed, let us sing the school song! Everyone pick their favourite tune and favourite words, and off we go!"



## CHAPTER TWELVE

# ASKING THE WRONG QUESTIONS

As soon as Harry opened his eyes in the Ravenclaw first-year boys' dormitory, on the morning of his first full day at Hogwarts, he knew something was wrong.

It was quiet.

Too quiet.

Oh, right... There was a Quietus Charm on his bed's headboard, controlled by a small slider bar, which was the only reason it was ever possible for anyone to go to sleep in Ravenclaw.

Harry sat up and looked around, expecting to see others rising for the day—

The dorm, empty.

The beds, rumpled and unmade.

The sun, coming in at a rather high angle.

His Quieter turned all the way up to maximum.

And his mechanical alarm clock was still running, but the alarm was turned off.

He'd been allowed to sleep until 9:52 AM, apparently. Despite his best efforts to synchronize his 26-hour sleep cycle to his arrival at Hogwarts, he hadn't gotten to sleep last night until around 1AM. He'd been planning to wake up at 7:00AM with the other students, he could stand being a little sleep-deprived his first day so long as he got some sort of magical fix before tomorrow. But now he'd missed breakfast. And his very first class at Hogwarts, in Herbology, had started one hour and twenty-two minutes ago.

The anger was slowly, slowly wakening in him. Oh, what a nice little prank. Turn off his alarm. Turn up the Quieter. And let Mr. Bigshot Harry Potter miss his first class, and be blamed for being a heavy sleeper.

When Harry found out who'd done this...

No, this could only have been done with the cooperation of all twelve other boys in the Ravenclaw dorm. All of them would have seen his sleeping form. All of them had let him sleep through breakfast.

The anger drained away, replaced by confusion and a horribly wounded feeling. They'd *liked* him. He'd thought. Last night, he'd thought they liked him. *Why...*

As Harry stepped out of the bed, he saw a piece of paper facing out from his headboard.

The paper said,

*My fellow Ravenclaws,*

*It's been an extra long day. Please let me sleep in and don't worry about my missing breakfast. I haven't forgotten about my first class.*

*Yours,*

*Harry Potter.*

And Harry stood there, frozen, ice water beginning to trickle through his veins.

The paper was in his own handwriting, in his own mechanical pencil. And he didn't remember writing it.

And... Harry squinted at the piece of paper. And unless he was imagining it, the words "I haven't forgotten" were written in a different style, as if he was trying to tell himself something...?

Had he *known* he was going to be Obliviated? Had he stayed up late, committed some sort of crime or covert activity, and then... but he didn't *know* the Oblivate spell... had someone else... what...

A thought occurred to Harry. If he *had* known he was going to be Obliviated...

Still in his pyjamas, Harry ran around his bed to his trunk, pressed his thumb against the lock, pulled out his pouch, stuck in his hand and said "Note to myself."

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## ASKING THE WRONG QUESTIONS

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And another piece of paper popped into his hand.  
Harry took it out, staring at it. It too was in his own handwriting.  
The note said:

*Dear Me,*

*Please play the game. You can only play the game once in a lifetime.  
This is an irreplaceable opportunity.*

*Recognition code 927, I am a potato.*

*Yours,*

*You.*

Harry nodded slowly. “Recognition code 927, I am a potato” was indeed the message he had worked out in advance—some years earlier, while watching TV—that only he would know. If he had to identify a duplicate of himself as being really *him*, or something. Just in case. Be Prepared.

Harry couldn’t *trust* the message, there might be other spells involved. But it ruled out any simple prank. He had definitely written this and he definitely didn’t remember writing it.

Staring at the paper, Harry became aware of ink showing through from the other side.

He flipped it over.

The reverse side read:

### INSTRUCTIONS FOR THE GAME:

*you do not know the rules of the game  
you do not know the stakes of the game  
you do not know the objective of the game  
you do not know who controls the game  
you do not know how to end the game*

*You start with 100 points.*

*Begin.*

Harry stared at the “instructions”. This side wasn’t handwritten; the writing was perfectly regular, hence artificial. It looked as if it had been inscribed by a Quotes Quill, such as the one he’d bought to take dictation.

He had *absolutely no clue* what was going on.

Well... step one was to get dressed and eat. Maybe reverse the order of that. His stomach felt rather empty.

He’d missed breakfast, of course, but he was Prepared for that eventuality, having visualised it in advance. Harry put his hand into his pouch and said “Snack bars”, expecting to get the box of cereal bars he’d bought before departing for Hogwarts.

What popped up did not feel like a box of cereal bars.

When Harry brought his hand into his field of vision he saw two tiny candy bars—not nearly enough for a meal—attached to a note, and the note was inscribed in the same writing as the game instructions.

The note said:

ATTEMPT FAILED: -1 POINT

CURRENT POINTS: 99

PHYSICAL STATE: STILL HUNGRY

MENTAL STATE: CONFUSED

“Gleehhhhh” Harry’s mouth said without any sort of conscious intervention or decision on his part.

He stood there for around a minute.

One minute later, it *still* didn’t make any sense and he *still* had absolutely no idea what was going on and his brain hadn’t even *begun* to grasp at any *hypotheses* like his mental hands were encased in rubber balls and couldn’t pick anything up.

His stomach, which had its own priorities, suggested a possible experimental probe.

“Ah...” Harry said to the empty room. “I don’t suppose I could spend a point and get my box of cereal bars back?”

There was only silence.

Harry put his hand into the pouch and said “Box of cereal bars.”

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## ASKING THE WRONG QUESTIONS

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A box that felt like the right shape popped up into his hand... but it was too light, and it was open, and it was empty, and the note attached to it said:

POINTS SPENT: 1

CURRENT POINTS: 98

YOU HAVE GAINED: A BOX OF CEREAL BARS

"I'd like to spend one point and get the *actual cereal bars* back," said Harry.

Again, silence.

Harry put his hand into the pouch and said "cereal bars".

Nothing came up.

Harry shrugged despairingly and went over to the cabinet he'd been given near his bed, to get his wizard's robes for the day.

On the floor of the cabinet, under his robes, were the cereal bars, and a note:

POINTS SPENT: 1

CURRENT POINTS: 97

YOU HAVE GAINED: 6 CEREAL BARS

YOU ARE STILL WEARING: PYJAMAS

DO NOT EAT WHILE YOU ARE WEARING YOUR PYJAMAS

YOU WILL GET A PYJAMA PENALTY

*And now I know that whoever controls the game is insane.*

"My guess is that the game is controlled by Dumbledore," Harry said out loud. Maybe *this* time he could set a new land speed record for being quick on the uptake.

Silence.

But Harry was starting to pick up the pattern; the note would be in the next place he looked. So Harry looked under his bed.

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## CHAPTER 12

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HA! HA HA HA HA HA!

HA HA HA HA HA HA!

HA! HA! HA! HA! HA! HA!

DUMBLEDORE DOES NOT CONTROL THE GAME

BAD GUESS

VERY BAD GUESS

-20 POINTS

AND YOU ARE STILL WEARING PYJAMAS

IT IS YOUR FOURTH MOVE

AND YOU ARE STILL WEARING PYJAMAS

PYJAMA PENALTY: -2 POINTS

CURRENT POINTS: 75

Welp, that was a puzzler, all right. It was only his first day at school and once you ruled out Dumbledore, he didn't know the name of anyone else here who was this crazy.

His body more or less on autopilot, Harry gathered up a set of robes and underwear, pulled out the cavern level of his trunk (he was a very private sort of person and someone might walk into the dorm), got dressed, and then went back upstairs to put away his pyjamas.

Harry paused before pulling out the cabinet drawer that held his pyjamas. If the pattern here held true...

"How can I earn more points?" Harry said out loud.

Then he pulled out the drawer.

OPPORTUNITIES TO DO GOOD ARE EVERYWHERE  
BUT DARKNESS IS WHERE THE LIGHT NEEDS TO BE

COST OF QUESTION: 1 POINT

CURRENT POINTS: 74

NICE UNDERWEAR  
DID YOUR MOTHER PICK THEM OUT?

Harry crushed the note in his hand, face flaming scarlet. Draco's curse came back to him. *Son of a mudblood*—

At this point he knew better than to say it out loud. He would probably get a Profanity Penalty.

Harry girded himself with his moleskin pouch and wand. He peeled off the wrapper of one of his cereal bars and threw it into the room's rubbish bin, where it landed atop a mostly-uneaten Chocolate Frog, a crumpled envelope and some green and red wrapping paper. He put the other cereal bars into his moleskin pouch.

He looked around in a final, desperate, and ultimately futile search for clues.

And then Harry left the dorm, eating as he went, in search of the Slytherin dungeons. At least that was what he *thought* the line was about.

Trying to navigate the halls of Hogwarts was like... probably *not* quite as bad as wandering around inside an Escher painting, that was the sort of thing you said for rhetorical effect rather than for its being true.

A short time later, Harry was thinking that in fact an Escher painting would have both pluses and minuses compared to Hogwarts. Minuses: No consistent gravitational orientation. Pluses: At least the stairs wouldn't move around *WHILE YOU WERE STILL ON THEM*.

Harry had originally climbed four flights of stairs to get to his dorm. After clambering down no fewer than twelve flights of stairs without getting anywhere near the dungeons, Harry had concluded that (1) an Escher painting would be a *cakewalk* by comparison, (2) he was somehow *higher* in the castle than when he'd started, and (3) he was so *thoroughly* lost that he wouldn't have been surprised to look out of the next window and see two moons in the sky.

Backup plan A had been to stop and ask for directions, but there seemed to be an extreme lack of people wandering around, as if the beggars were all attending class the way they were supposed to or something.

Backup plan B...

"I'm lost," Harry said out loud. "Can, um, the spirit of the Hogwarts castle help me or something?"

"I don't think this castle has a spirit," observed a wizened old lady in one of the paintings on the walls. "Life, perhaps, but not spirit."

There was a brief pause.

"Are you—" Harry said, and then shut his mouth. On second thought, no he was NOT going to ask the painting whether it was fully conscious in the sense of being aware of its own awareness.

"I'm Harry Potter," said his mouth, more or less on autopilot. Also more or less automatically, Harry stuck out a hand towards the painting.

The woman in the painting looked down at Harry's hand and raised her eyebrows.

Slowly, the hand dropped back to Harry's side.

"Sorry," Harry said, "I'm sort of new here."

"So I perceive, young raven. Where are you trying to go?"

Harry hesitated. "I'm not really sure," he said.

"Then perhaps you are already there."

"Well, wherever I *am* trying to go, I don't think *this* is it..." Harry shut his mouth, aware of just how much he was sounding like an idiot. "Let me start over. I'm playing this game only I don't know what the rules are—" That didn't really work either, did it. "Okay, third try. I'm looking for opportunities to do good so I can score points, and all I have is this cryptic hint about how darkness is where the light needs to be, so I was trying to go down but I seem to keep going up instead..."

The old lady in the painting was looking at him rather sceptically.

Harry sighed. "My life tends to get a bit peculiar."

"Would it be fair to say that you don't know where you're going or why you're trying to get there?"

"*Entirely* fair."

The old lady nodded. "I'm not sure that being lost is your most important problem, young man."

"True, but unlike the more important problems, it's a problem I can understand how to solve and wow is this conversation turning into a metaphor for human existence, I didn't even realise that was happening until just now."



The lady eyed Harry appraisingly. "You *are* a fine young raven, aren't you? For a moment I was starting to wonder. Well then, as a general rule, if you keep on turning left, you're bound to keep going down."

That sounded strangely familiar but Harry couldn't recall where he'd heard it before. "Um... you seem like a very intelligent person. Or a picture of a very intelligent person... anyway, have you heard of a mysterious game where you can only play once, and they won't tell you the rules?"

"Life," said the lady at once. "That's one of the most obvious riddles I've ever heard."

Harry blinked. "No," he said slowly. "I mean I got an actual note and everything saying that I had to play the game but I wouldn't be told the rules, and someone is leaving me little slips of paper telling me how many points I've lost for violating the rules, like a minus two point penalty for wearing pyjamas. Do you know anyone here at Hogwarts who's crazy enough and powerful enough to do something like that? Besides Dumbledore, I mean?"

The picture of a lady sighed. "I'm only a picture, young man. I remember Hogwarts as it was—not Hogwarts as it is. All I can tell you is that if this were a riddle, the answer would be that the game is life, and that while we do not make all the rules ourselves, the one who awards or takes points is always you. If it is not riddle but reality—then I do not know."

Harry bowed very low to the picture. "Thank you, milady."

The lady curtsied to him. "I wish I could say that I'll remember you with fondness," she said, "but I probably won't remember you at all. Farewell, Harry Potter."

He bowed again in reply, and started to climb down the nearest flight of stairs.

Four left turns later he found himself staring down a corridor that ended, abruptly, in a tumbled mound of large rocks—as if there had been a cave-in, only the surrounding walls and ceiling were intact and made of quite regular castle stones.

"All right," Harry said to the empty air, "I give up. I'm asking for another hint. How do I get to where I need to go?"

"A hint! A hint, you say?"

The excited voice came from a painting on the wall not far away, this one a portrait of a middle-aged man in the loudest pink robes that Harry had ever seen or even imagined. In the portrait he was wearing a droopy old pointed hat with a fish on it (not a drawing of a fish, mind, but a fish).

"Yes!" Harry said. "A hint! A hint, I say! Only not just *any* hint, I'm looking for a *specific* hint, it's for a game I'm playing—"

"Yes, yes! A hint for the game! You're Harry Potter, aren't you? I'm Cornelion Flubberwalt! I was told by Erin the Consort who was told by Lord Weaselnose who was told by, I forget really. But it was a message for *me* to give to you! For *me*! No one's cared about me in, I don't know how long, maybe ever, I've been stuck down here in this bloody useless old corridor—a hint! I have your hint! It will only cost you three points! Do you want it?"

"Yes! I want it!" Harry was aware that he probably ought to keep his sarcasm under control but he just couldn't seem to help himself.

"The darkness can be found between the green study rooms and McGonagall's Transfiguration class! That's the hint! And get a move on, you're slower than a sack of snails! Minus ten points for being slow! Now you have 61 points! That was the rest of the message!"

"Thank you," Harry said. He was really getting behind on the game here. "Um... I don't suppose you know where the message *originally* came from, do you?"

"It was spoken by a hollow voice that belled forth from a gap within the air itself, a gap that opened upon a fiery abyss! That's what they told me!"

Harry was no longer sure, at this point, whether this was the sort of thing he ought to be sceptical about, or the sort of thing he should just take in stride. "And how can I find the line between the green study rooms and Transfiguration class?"

"Just spin back around and go left, right, down, down, right, left, right, up, and left again, you'll be at the green study room and if you go in and walk straight out the opposite side you'll be on a big curvy corridor that goes to an intersection and on the right side of that intersection will be a long straight hallway that goes to the Transfiguration classroom!" The

figure of the middle-aged man paused. "At least that's how it was when I was in Hogwarts. This is a Monday on an odd-numbered year, isn't it?"

"Pencil and mechanical paper," Harry said to his pouch. "Er, cancel that, paper and mechanical pencil." He looked up. "Could you repeat that?"

After getting lost another two times, Harry felt that he was beginning to understand the basic rule for navigating the ever-changing maze that was Hogwarts, namely, *ask a painting for directions*. If this reflected some sort of incredibly deep life lesson he couldn't figure out what it was.

The green study room was a surprisingly pleasant space with sunlight streaming in from windows of green-stained glass that showed dragons in calm, pastoral scenes. It had chairs that looked extremely comfortable, and tables that seemed very well-suited to studying in the company of one to three friends.

Harry couldn't *actually* walk straight through and out the door on the other side. There were *bookshelves* set into the wall, and he had to go over and read some of the titles, so as to not lose his claim to the Verres family name. But he did it quickly, mindful of the complaint about being slow, and then went out the other side.

He was walking down the "big curvy corridor" when he heard a young boy's voice cry out.

At times like this, Harry had an excuse to sprint all-out with no regards for saving energy or doing proper warmup exercises or worrying about crashing into things, a sudden frantic flight that nearly came to an equally sudden halt as he almost ran over a group of six first-year Hufflepuffs...

...who were huddled together, looking rather scared and like they desperately wanted to do something but couldn't figure out what, which probably had something to do with the group of five older Slytherins who seemed to be surrounding another young boy.

Harry was suddenly rather angry.

"Excuse me!" shouted Harry at the top of his lungs.

It might not have been necessary. People were already looking at him. But it certainly served to stop all the action cold.

Harry walked past the cluster of Hufflepuffs towards the Slytherins.

They looked down at him with expressions that ranged from anger to amusement to delight.

Part of Harry's brain was screaming in panic that these were much older and bigger boys who could stomp him flat.

Another part said dryly that anyone caught seriously stomping the Boy-Who-Lived was in for a whole *world* of trouble, especially if they were a pack of older Slytherins and there were seven Hufflepuffs who saw it, and that the chance of them doing him any permanent damage in the presence of witnesses was nearly zero. The only real weapon the older boys had against him was his own fear, if he allowed that.

Then Harry saw that the boy they had trapped was Neville Longbottom.

Of course.

That settled it. Harry had decided to apologise humbly to Neville and that meant Neville was *his*, how *dare* they?

Harry reached out and grabbed Neville by the wrist and *yanked* him out from between the Slytherins, the boy stumbling in shock as Harry pulled him out and in nearly the same motion pushed his own way through the same gap.

And Harry stood in the center of the Slytherins where Neville had stood, looking up at the much older, larger, and stronger boys.

"Hello," Harry said. "I'm the Boy-Who-Lived."

There was a rather awkward pause. No one seemed to know where the conversation was supposed to go from there.

Harry's eyes dropped downwards and saw some books and papers scattered around the floor. Oh, the old game where you let the boy try to pick up his books and then knock them out of his hand again. Harry couldn't remember ever being the object of that game himself, but he had a good imagination and his imagination was making him furious. Well, once the larger situation was resolved it would be easy enough for Neville to come back and pick up his materials, provided that the Slytherins stayed too intent on him to think of doing anything to the books.

Unfortunately his straying eyes had been noted. "Ooh," said the largest of the boys, "did 'oo want the widdle books—"

"Shut up," Harry said coldly. *Keep them off balance. Don't do what they expect. Don't fall into a pattern that calls for them to bully you.* "Is this part of some incredibly clever plan that will gain you future advantage, or is it as pointless a disgrace to the name of Salazar Slytherin as it—"

The largest boy shoved Harry Potter hard, and he went sprawling out of the circle of Slytherins onto the hard stone floor of Hogwarts.

And the Slytherins laughed.

Harry rose up in what seemed to him like terribly slow motion. He didn't know yet how to use his wand, but there was no reason to let that stop him, under the circumstances.

"I'd like to pay *as many points as it takes* to get rid of this person," Harry said, pointing with his finger to the largest Slytherin.

Then Harry lifted his other hand, said "Abracadabra," and snapped his fingers.

At the word *Abracadabra* two of the Hufflepuffs screamed, including Neville, three other Slytherins leapt desperately out of the way of Harry's finger, and the largest Slytherin staggered back with an expression of shock, a sudden splash of red decorating his face and neck and chest.

Harry had *not* been expecting *that*.

Slowly, the largest Slytherin reached up to his head, and peeled off the pan of cherry pie that had just draped itself over him. The largest Slytherin held the pan in his hand for a moment, staring at it, then dropped it to the floor.

It probably wasn't the best time in the world for one of the Hufflepuffs to start laughing, but that was exactly what one of the Hufflepuffs was doing.

Then Harry caught sight of the note on the bottom of the pan.

"Hold on," Harry said, and darted forward to pick up the note. "This note's for me, I think—"

"*You,*" growled the largest Slytherin, "*you, are, going, to—*"

"*Look at this!*" shouted Harry, brandishing the note at the older Slytherin. "I mean, just *look* at this! Can you believe I'm being charged 30 points for shipping and handling on one lousy pie? 30 points! I'm turning a loss on the deal even after rescuing an innocent boy in distress!

And storage fees? Conveyance charges? Drayage costs? How do you get *drayage costs* on a pie?"

There was another one of those awkward pauses. Harry thought deadly thoughts at whichever Hufflepuff couldn't seem to stop giggling, that idiot was going to get him hurt.

Harry stepped back and shot the Slytherins his best lethal glare. "Now go away or I will just keep making your existence more and more surreal until you do. Let me warn you... messing with *my* life tends to make *your* life... *a little hairy*. Get it?"

In a single terrible motion, the largest Slytherin whipped his wand out to point at Harry and in the same instant was hit on the other side of his head by another pie, this one bright blueberry.

The note on this pie was rather large and clearly readable. "You might want to read the note on that pie," Harry observed. "I think it's for you this time."

The Slytherin slowly reached up, took the pie pan, turned it over with a wet glop that dropped more blueberry on the floor, and read a note that said:

WARNING  
NO MAGIC MAY BE USED ON THE CONTESTANT  
WHILE THE GAME IS IN PROGRESS  
FURTHER INTERFERENCE IN THE GAME  
WILL BE REPORTED TO THE GAME AUTHORITIES

The expression of sheer bafflement on the Slytherin's face was a look of art. Harry thought that he might be starting to like this Game Controller.

"Look," Harry said, "you want to call it a day? I think things are spiralling out of control here. How about you go back to Slytherin and I go back to Ravenclaw and we all just cool down a bit, okay?"

"I've got a better idea," hissed the largest Slytherin. "How about if you accidentally break all your fingers?"

"How in Merlin's name do you stage a believable accident after making the threat in front of a dozen witnesses, you *idiot*—"

The largest Slytherin slowly, deliberately reached out towards Harry's hands, and Harry froze in place, the part of his brain that was noticing the other boy's age and strength finally managing to make itself heard, screaming, *WHAT THE HECK AM I DOING?*

"Wait!" said one of the other Slytherins, his voice suddenly panicky. "Stop, you shouldn't actually do that!"

The largest Slytherin ignored him, taking Harry's right hand firmly in his left hand, and taking Harry's index finger in his right hand.

Harry stared the Slytherin straight in the eyes. Part of Harry was screaming, this wasn't supposed to happen, this wasn't *allowed* to happen, grownups would never let something like this *actually* happen—

Slowly, the Slytherin started to bend his index finger backwards.

*He hasn't actually broken my finger and it is beneath me to so much as flinch until he does. Until then, this is just another attempt to cause fear.*

"Stop!" said the Slytherin who had objected before. "Stop, this is a very bad idea!"

"I rather agree," said an icy voice. An older woman's voice.

The largest Slytherin let go of Harry's hand and jumped backwards as if burned.

"Professor Sprout!" cried one of the Hufflepuffs, sounding as glad as anyone Harry had ever heard in his life.

Into Harry's field of vision, as he turned, stalked a dumpy little woman with messily curled grey hair and clothes covered with dirt. She pointed an accusing finger at the Slytherins. "Explain yourselves," she said. "What are you doing with my Hufflepuffs and..." she looked at him. "My fine student, Harry Potter."

*Uh oh. That's right, it was HER class I missed this morning.*

"He threatened to kill us!" blurted one of the other Slytherins, the same one who'd called for a halt.

"What?" Harry said blankly. "I did *not*! If I was going to kill you I wouldn't make public threats first!"

A third Slytherin laughed helplessly and then stopped abruptly as the other boys shot him deadly glares.

Professor Sprout had adopted a rather sceptical expression. "What death threat would this be, exactly?"

"The Killing Curse! He pretended to use the Killing Curse on us!"

Professor Sprout turned to look at Harry. "Yes, quite a terrible threat from an eleven-year-old boy. Though still not something you should *ever* dream of pretending, Harry Potter."

"I don't even know the *words* to the Killing Curse," Harry said promptly. "And I didn't have my wand out at any time."

Now Professor Sprout was giving Harry a sceptical look. "I suppose this boy hit *himself* with two pies, then."

"He *didn't* use his wand!" blurted one of the young Hufflepuffs. "I don't know how he did it either, he just snapped his fingers and there was pie!"

"Really," said Professor Sprout after a pause. She drew her own wand. "I won't require it, since you do seem to be the victim here, but would you mind if I checked your wand to verify that?"

Harry took out his wand. "What do I—"

"*Prior Incantato*," said Sprout. She frowned. "That's odd, your wand doesn't seem to have been used at all."

Harry shrugged. "It hasn't, actually, I only got my wand and school-books a few days ago."

Sprout nodded. "Then we have a clear case of accidental magic from a boy who felt threatened. And the rules plainly state that you are not to be held responsible. As for *you...*" she turned to the Slytherins. Her eyes dropped deliberately to Neville's books lying on the floor.

There was a long silence during which she looked at the five Slytherins.

"Three points from Slytherin, *each*," she said finally. "And six from *him*," pointing to the boy covered in pie. "Don't you *ever* meddle with my Hufflepuffs again, or my student Harry Potter either. Now *go*."

She didn't have to repeat herself; the Slytherins turned and walked away very quickly.

Neville went and started picking up his books. He seemed to be crying, but only a little. It might have been from delayed shock, or it might have been because the other boys were helping him.

"Thank you *very* much, Harry Potter," Professor Sprout said to him. "Seven points to Ravenclaw, one for each Hufflepuff you helped protect.



And I won't say anything more."

Harry blinked. He'd been expecting something more along the lines of a lecture about keeping himself out of trouble, and a rather severe scolding for missing his very first class.

Maybe he *should* have gone to Hufflepuff. Sprout was cool.

"*Scourgify*," Sprout said to the mess of pie on the floor, which promptly vanished.

And she left, walking along the hall that led to the green study room.

"How did you *do* that?" hissed one of the Hufflepuff boys as soon as she was gone.

Harry smiled smugly. "I can make anything I want happen just by snapping my fingers."

The boy's eyes widened. "*Really?*"

"No," said Harry. "But when you're telling everyone this story be sure to share it with Hermione Granger in first-year Ravenclaw, she has an anecdote you might find amusing." He had absolutely no clue what was happening, but he wasn't about to pass up the opportunity to add to his growing legend. "Oh, and what was all that about the Killing Curse?"

The boy gave him a strange look. "You really don't know?"

"If I did, I wouldn't be asking."

"The words to the Killing Curse are," the boy swallowed, and his voice dropped to a whisper, and he held his hands away from his sides as if to make it very clear that he wasn't holding a wand, "*Avada Kedavra*."

*Well of course they are.*

Harry put this on his growing list of things to never ever tell his Dad, Professor Michael Verres-Evans. It was bad enough talking about how you were the only person to survive the fearsome Killing Curse, without having to admit that the Killing Curse was "*Abra*cadabra."

"I see," Harry said after a pause. "Well, that's the last time I ever say *that* before snapping my fingers." Though it *had* produced an effect that might be tactically useful.

"*Why* did you—"

"Raised by Muggles, Muggles think it's a joke and that it's funny. Seriously, that's what happened. Sorry, but can you remind me of your name?"

"I'm Ernie Macmillan," said the Hufflepuff. He held out his hand, and Harry shook it. "Honoured to meet you."

Harry executed a slight bow. "Pleased to meet you, skip the honoured thing."

Then the other boys crowded round him and there was a sudden flood of introductions.

When they were done, Harry swallowed. This was going to be very difficult. "Um... if everyone would excuse me... I have something to say to Neville—"

All eyes turned to Neville, who took a step back, his face looking apprehensive.

"I suppose," Neville said in a tiny voice, "you're going to say I should've been braver—"

"Oh, no, nothing like that!" Harry said hastily. "Nothing to do with *that*. It's just, um, something the Sorting Hat told me—"

Suddenly the other boys looked *very* interested, except for Neville, who was looking even *more* apprehensive.

There seemed to be something blocking Harry's throat. He knew he should just blurt it out, and it was like he'd swallowed a large brick that was just stuck in the way.

It was like Harry had to manually take control of his lips and produce each syllable individually, but he managed to make it happen. "I'm, sor, ry." He exhaled and took a deep breath. "For what I did, um, the other day. You... don't have to be gracious about it or anything, I'll understand if you just hate me. This isn't about me trying to look cool by apologising or your having to accept it. What I did was wrong."

There was a pause.

Neville clutched his books tighter to his chest. "Why did you do it?" he said in a thin, wavering voice. He blinked, as if trying to hold back tears. "Why does *everyone* do that to me, even the Boy-Who-Lived?"

Harry suddenly felt smaller than he ever had in his life. "I'm sorry," Harry said again, his voice now hoarsened. "It's just... you looked so scared, it was like a sign over your head saying 'victim', and I wanted to show you that things *don't* always turn out badly, that sometimes the

monsters give you chocolate... I thought if I showed you that, you might realise there wasn't so much to be afraid of—"

"But there is," whispered Neville. "You saw it today, there is!"

"They wouldn't have done anything really bad in front of witnesses. Their main weapon is fear. That's why they target *you*, because they can see you're afraid. I wanted to make you less afraid... show you that the fear was worse than the thing itself... or that was what I told myself, but the Sorting Hat told me that I was lying to myself and that I really did it because it was fun. So that's why I'm apologising—"

"You hurt me," said Neville. "Just now. When you grabbed me and pulled me away from them." Neville held out his arm and pointed to where Harry had grabbed him. "I might have a bruise here later from how hard you pulled. You hurt me worse than anything the Slytherins did by bumping into me, actually."

"Neville!" hissed Ernie. "He was trying to *save* you!"

"I'm sorry," whispered Harry. "When I saw that I just got... really angry..."

Neville looked at him steadily. "So you yanked me out really hard and put yourself in where I was and went, 'Hello, I'm the Boy-Who-Lived'."

Harry nodded.

"I think you're going to be really cool someday," Neville said. "But right now, you're not."

Harry swallowed the sudden knot in his throat and walked away. He continued down the corridor to the intersection, then turned left into a hallway and kept on walking, blindly.

What was he *supposed* to do here? Never get angry? He wasn't sure he could have done anything without being angry and who knows what would have happened to Neville and his books then. Besides, Harry had read enough fantasy books to know how *this* one went. He would try to suppress the anger and he would fail and it would keep coming out again. And after this whole long journey of self-discovery he would learn at the end that his anger was a part of himself and that only by accepting it could he learn to use it wisely. *Star Wars* was the only universe in which the answer actually *was* that you were supposed to cut yourself off com-

pletely from negative emotions, and something about Yoda had always made Harry hate the little green moron.

So the obvious time-saving plan was to skip the journey of self-discovery and go straight to the part where he realised that only by accepting his anger as a part of himself could he stay in control of it.

The problem was that he didn't *feel* out of control when he was angry. The cold rage made him feel like he was *in* control. It was only when he looked back that *events as a whole* seemed to have... blown up out of control, somehow.

He wondered how much the Game Controller cared about that sort of thing, and whether he'd won or lost points for it. Harry himself felt like he'd lost quite a few points, and he was sure the old lady in the picture would have told him that his was the only opinion that mattered.

And Harry was also wondering whether the Game Controller had sent Professor Sprout. It was the logical thought: the note had threatened to notify the Game Authorities, and then there Professor Sprout was. Maybe Professor Sprout *was* the Game Controller—the *Head of House Hufflepuff* would be the *last* person anyone would suspect, which ought to put her near the top of Harry's list. He'd read one or two mystery novels, too.

"So how am I doing in the game?" Harry said out loud.

A sheet of paper flew over his head, as if someone had thrown it from behind him—Harry turned around, but there was no one there—and when Harry turned forwards again, the note was settling to the floor.

The note said:

POINTS FOR STYLE: 10

POINTS FOR GOOD THINKING: -3,000,000

RAVENCLAW HOUSE POINTS BONUS: 70

CURRENT POINTS: -2,999,871

TURNS REMAINING: 2

"*Minus three million points?*" Harry said indignantly to the empty hallway. "That seems excessive! I want to file an appeal with the Game Authorities! And how am I supposed to make up three million points in the next two turns?"

\*  
\*

## ASKING THE WRONG QUESTIONS

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\*

Another note flew over his head.

APPEAL: FAILED

ASKING THE WRONG QUESTIONS: -1,000,000,000,000 points

CURRENT POINTS: -1,000,002,999,871

TURNS REMAINING: 1

Harry gave up. With one turn remaining all he could do was take his best shot, even if it wasn't very good. "My guess is that the game represents life."

A final sheet of paper flew over his head, reading:

ATTEMPT FAILED

FAILED FAILED FAILED

AAAAAAAAAAAAAAAAAAAAAAAAAAAA

CURRENT POINTS: MINUS INFINITY

YOU HAVE LOST THE GAME

FINAL INSTRUCTION:

GO TO PROFESSOR MCGONAGALL'S OFFICE

The last line was in his own handwriting.

Harry stared at the last line for a while, then shrugged. Fine. Professor McGonagall's office it would be. If *she* was the Game Controller...

Okay, honestly, Harry had absolutely no idea how he would feel if Professor McGonagall was the Game Controller. His mind was just drawing a complete blank. It was, literally, unimaginable.

A couple of portraits later—it wasn't a long trip, Professor McGonagall's office wasn't far from her Transfiguration classroom, at least not on Mondays on odd-numbered years—Harry stood outside the door to her office.

He knocked.

"Come in," said Professor McGonagall's muffled voice.

He entered.



## CHAPTER THIRTEEN

# THE UNKNOWN AND THE UNKNOWABLE

“Come in,” said Professor McGonagall’s muffled voice.  
Harry did so.

The office of the Deputy Headmistress was clean and well-organised; on the wall immediately adjacent to the desk was a maze of wooden cubbyholes of all shapes and sizes, most with several parchment scrolls thrust into them, and it was somehow very clear that Professor McGonagall knew exactly what every cubbyhole meant, even if no one else did. A single parchment lay on the actual desk, which was, aside from that, clean. Behind the desk was a closed door barred with several locks.

Professor McGonagall was sitting on a backless stool behind the desk, looking puzzled—her eyes had widened, with perhaps a slight note of apprehension, as she saw Harry.

“Mr. Potter?” said Professor McGonagall. “What is this about?”

Harry’s mind went blank. He’d been instructed by the game to come here, he had been expecting *her* to have something in mind...

“Mr. Potter?” said Professor McGonagall, starting to look slightly annoyed.

Thankfully, Harry’s panicking brain remembered at this point that he *did* have something he’d been planning to discuss with Professor McGonagall. Something important and well worth her time.

“Um...” Harry said. “If there are any spells you can cast to make sure no one’s listening to us...”

Professor McGonagall stood up from her chair, firmly closed the outer door, and began taking out her wand and saying spells.

It was at this point that Harry realised he was faced with a priceless and possibly irreplaceable opportunity to offer Professor McGonagall a Comed-Tea and he couldn't believe he was seriously thinking that and it would be fine the soda would vanish after a few seconds and he told that part of himself to *shut up*.

It did, and Harry began to organise mentally what he was going to say. He hadn't planned to have this discussion *quite* so soon, but so long as he was here...

Professor McGonagall finished a spell that sounded a lot older than Latin, and then she sat down again.

"All right," she said in a quiet voice. "No one's listening." Her face was rather tight.

*Oh, right, she's expecting me to blackmail her for information about the prophecy.*

Eh, Harry'd get around to that some other day.

"It's about the Incident with the Sorting Hat," Harry said. (Professor McGonagall blinked.) "Um... I think there's an extra spell on the Sorting Hat, something that the Sorting Hat itself doesn't know about, something that triggers when the Sorting Hat says Slytherin. I heard a message that I'm pretty sure Ravenclaws aren't supposed to hear. It came the moment the Sorting Hat was off my head and I felt the connection break. It sounded like a hiss and like English at the same time," there was a sharp intake of breath from McGonagall, "and it said: Salutations from Slytherin to Slytherin, if you would seek my secrets, speak to my snake."

Professor McGonagall sat there with her mouth open, staring at Harry as if he'd grown another two heads.

"So..." Professor McGonagall said slowly, as though she couldn't believe the words that were coming out of her own lips, "you decided to come to me right away and tell me about it."

"Well, yes, of course," Harry said. There was no need to admit how long it had taken him to actually think of that. "As opposed to, say, trying to research it myself, or telling any of the other children."

"I... see," Professor McGonagall said. "And if, perhaps, you were to discover the entrance to Salazar Slytherin's legendary Chamber of Secrets,



an entrance that you and you alone could open..."

"I would close the entrance and report to you at once so that a team of experienced magical archaeologists could be assembled," Harry said promptly. "Then I would open up the entrance again and they would go in very carefully to make sure that there was nothing dangerous. I might go in later to look around, or if they needed me to open up something else, but it would be after the area had been declared clear and they had photographs of how everything looked before people started tromping around their priceless historical site."

Professor McGonagall sat there with her mouth open, staring at him like he'd just turned into a cat.

"It's obvious if you're not a Gryffindor," Harry said kindly.

"I think," Professor McGonagall said in a rather choked voice, "that you *far* underestimate the rarity of common sense, Mr. Potter."

That sounded about right. Although... "A Hufflepuff would've said the same thing."

McGonagall paused, struck. "*That's* true."

"Sorting Hat offered me Hufflepuff."

She blinked at him as though she couldn't believe her own ears. "Did it *really*?"

"Yes."

"Mr. Potter," McGonagall said, and now her voice was low, "five decades ago was the last time a student died within the walls of Hogwarts, and I am now certain that five decades ago was the last time someone heard that message."

A chill went through Harry. "Then I will be *very* sure to take no action *whatsoever* on this matter without consulting you, Professor McGonagall." He paused. "And may I suggest that you get together the best people you can find and see if it's possible to get that extra spell off the Sorting Hat... and if you can't do that, maybe put on *another* spell, a Quietus that briefly activates just as the Hat is being removed from a student's head, that might work as a patch. There, no more dead students." Harry nodded in satisfaction.

Professor McGonagall looked even more stunned, if such a thing were imaginable. "I cannot *possibly* award you enough points for this without

giving the House Cup to Ravenclaw outright.”

“Um,” Harry said. “Um. I’d rather not earn *that* many House points.”

Now Professor McGonagall was giving him a strange look. “Why not?”

Harry was having a little difficulty putting it into words. “Because it would be just too sad, you know? Like... like back when I was still trying to go to school in the Muggle world, and whenever there was a group project, I’d go ahead and do the whole thing myself because the others would only slow me down. I’m fine with earning lots of points, more than anyone else even, but if I earn enough to be decisive in winning the House Cup just by myself, then it’s like I’m carrying House Ravenclaw on my back and that’s too sad.”

“I see...” McGonagall said hesitantly. It was apparent that this way of thinking had never occurred to her. “Suppose I only awarded you fifty points, then?”

Harry shook his head again. “It’s not fair to the other children if I earn lots of points for grownup things that I can be part of and they can’t. How is Terry Boot supposed to earn fifty points for reporting a whisper he heard from the Sorting Hat? It wouldn’t be fair at all.”

“I see why the Sorting Hat offered you Hufflepuff,” said Professor McGonagall. She was eyeing him with a strange respect.

That made Harry choke up a bit. He’d honestly thought he wasn’t worthy of Hufflepuff. That the Sorting Hat had just been trying to shove him anywhere but Ravenclaw, into a House whose virtues he didn’t have...

Professor McGonagall was smiling now. “And if I tried to give you *ten* points...?”

“Are you going to explain where those ten points came from, if anyone asks? There might be a lot of Slytherins, and I don’t mean the children at Hogwarts, who would be really *really* angry if they knew about the spell being taken off the Sorting Hat and found out I was involved. So I think that absolute secrecy is the better part of valour. No need to thank me, ma’am, virtue is its own reward.”

“So it is,” Professor McGonagall said, “but I do have a very special something else to give you. I see that I have greatly wronged you in my thoughts, Mr. Potter. Please wait here.”

She got up, went over to the locked back door, waved her wand, and a sort of blurry curtain sprang up around her. Harry could neither see nor hear what was going on. It was a few minutes later that the blur vanished and Professor McGonagall was standing there, facing him, with the door behind her looking as though it hadn't ever been opened.

And Professor McGonagall held out in one hand a necklace, a thin golden chain bearing in its center a silver circle, within which was the device of an hourglass. In her other hand was a folded pamphlet. "This is for you," she said.

Wow! He was going to get some sort of neat magical item as a quest reward! Apparently that business with refusing offers of monetary rewards until you got a magic item actually worked in real life, not just computer games.

Harry accepted his new necklace, smiling. "What is it?"

Professor McGonagall took a breath. "Mr. Potter, this is an item which is ordinarily lent only to children who have already shown themselves to be highly responsible, in order to help them with difficult class schedules." McGonagall hesitated, as though about to add something else. "I *must* emphasise, Mr. Potter, that this item's true nature is *secret* and that you must *not* tell any of the other students about it, or let them see you using it. If that's not acceptable to you, then you can give it back now."

"I can keep secrets," Harry said. "So what does it do?"

"So far as the other students are concerned, this is a Spimster wicket and it is used to treat a rare, non-contagious magical ailment called Spontaneous Duplication. You wear it under your clothes, and while you have no reason to show it to anyone, you also have no reason to treat it as an awful secret. Spimster wickets are not interesting. Do you understand, Mr. Potter?"

Harry nodded, his smile widening. He sensed the work of a *competent* Slytherin. "And what does it *really* do?"

"It's a Time-Turner. Each spin of the hourglass sends you one hour back in time. So if you use it to go back two hours every day, you should always be able to get to sleep at the same time."

Harry's suspension of disbelief blew completely out the window. *You're giving me a time machine to treat my sleep disorder.*

*You're giving me a TIME MACHINE to treat my SLEEP DISORDER.*

**YOU'RE GIVING ME A TIME MACHINE IN ORDER TO TREAT MY SLEEP DISORDER.**

"Ehehehehhheheh..." Harry's mouth said. He was now holding the necklace away from him as though it were a live bomb. Well, no, not as if it were a live bomb, that didn't *begin* to describe the severity of the situation. Harry held the necklace away from him as though it were a time machine.

*Say, Professor McGonagall, did you know that time-reversed ordinary matter looks just like antimatter? Why yes it does! Did you know that one kilogram of antimatter encountering one kilogram of matter will annihilate in an explosion equivalent to 43 million tons of TNT? Do you realise that I myself weigh 41 kilograms and that the resulting blast would leave A GIANT SMOKING CRATER WHERE THERE USED TO BE SCOTLAND?*

"Excuse me," Harry managed to say, "but this sounds really really *really* REALLY DANGEROUS!" Harry's voice didn't quite rise to a shriek, he couldn't possibly scream loud enough to do this situation justice so there was no point in trying.

Professor McGonagall looked upon him with tolerant affection. "I'm glad you're taking this seriously, Mr. Potter, but Time-Turners aren't *that* dangerous. We wouldn't give them to children if they were."

"Really," Harry said. "Ahahahaha. Of course you wouldn't give time machines to children if they were dangerous, what *was* I thinking? So just to be clear, sneezing on this device will *not* send me into the Middle Ages where I will run over Gutenberg with a horse cart and prevent the Enlightenment? Because, you know, I hate it when that happens to me."

McGonagall's lips were twitching in that way she had when she was trying not to smile. She offered Harry the pamphlet she was holding, but Harry was carefully holding out the necklace with both hands and staring at the hourglass to make sure it wasn't about to turn. "Don't worry," McGonagall said after a momentary pause, when it became clear that Harry wasn't going to move, "that can't possibly happen, Mr. Potter. The Time-Turner cannot be used to move more than six hours backwards. It can't be used more than six times in any day."

"Oh, good, very good, that. And if someone bumps into me the Time-Turner will *not* break and will *not* trap the whole castle of Hogwarts in an endlessly repeating loop of Thursdays."

"Well, they *can* be fragile..." said McGonagall. "And I do think I've heard about strange things happening if they're broken. But nothing like *that!*"

"Perhaps," Harry said when he could speak again, "you ought to provide your time machines with some sort of *protective shell*, rather than *leaving the glass exposed*, so as to *prevent that from happening*."

McGonagall looked quite struck. "That's an excellent idea, Mr. Potter. I shall inform the Ministry of it."

*That's it, it's official now, they've ratified it in Parliament, everyone in the wizarding world is completely stupid.*

"And while I hate to get all *PHILOSOPHICAL*," Harry desperately tried to lower his voice to something under a shriek, "has anyone thought about the *IMPLICATIONS* of going back six hours and doing something that changes time which would pretty much *DELETE ALL THE PEOPLE AFFECTED* and *REPLACE THEM WITH DIFFERENT VERSIONS*—"

"Oh, you can't *change* time!" Professor McGonagall interrupted. "Good heavens, Mr. Potter, do you think these would be allowed students if *that* was possible? What if someone tried to change their test scores?"

Harry took a moment to process this. His hands relaxed, just a little, from their white grip on the hourglass chain. Like he wasn't holding a time machine, just a live nuclear warhead.

"So..." Harry said slowly. "People just find that the universe... happens to be self-consistent, somehow, even though it has time-travel in it. If I and my future self interact then I'll see the same thing as both of me, even though, on my own first run through, my future self is already acting in full knowledge of things that, from my own perspective, haven't happened yet..." Harry's voice trailed off into the inadequacy of English.

"Correct, I think," said Professor McGonagall. "Although wizards *are* advised to avoid being seen by their past selves. If you're attending two classes at the same time and you need to cross paths with yourself, for example, the first version of you should step aside and close his eyes at a

known time—you have a watch already, good—so that the future you can pass. It's all there in the pamphlet."

"Ahahahaa. And what happens when someone *ignores* that advice?"

Professor McGonagall pursed her lips. "I understand that it can be quite disconcerting."

"And it doesn't, say, create a paradox that destroys the universe."

She smiled tolerantly. "Mr. Potter, I think I'd remember hearing if *that* had ever happened."

"*THAT IS NOT REASSURING! HAVEN'T YOU PEOPLE EVER HEARD OF THE ANTHROPIC PRINCIPLE? AND WHAT IDIOT EVER BUILT ONE OF THESE THINGS FOR THE FIRST TIME?*"

Professor McGonagall actually laughed. It was a pleasant, glad sound that seemed surprisingly out of place on that stern face. "You're having another 'you turned into a cat' moment, aren't you, Mr. Potter. You probably don't want to hear this, but it's quite endearingly cute."

"Turning into a cat doesn't even *BEGIN* to compare to this. You know right up until this moment I had this awful suppressed thought somewhere in the back of my mind that the only remaining answer was that my whole universe was a computer simulation like in the book *Simulacron 3* but now *even that is ruled out* because this little toy *ISN'T TURING COMPUTABLE!* A Turing machine could simulate going back into a defined moment of the past and computing a different future from there, an oracle machine could rely on the halting behavior of lower-order machines, but what you're saying is that reality somehow self-consistently computes in one sweep using information that hasn't... happened... yet..."

Realisation struck Harry a pile-driver blow.

It all made sense now. It all *finally* made sense.

"*SO THAT'S HOW THE COMED-TEA WORKS! Of course!* The spell doesn't *force* funny events to happen, it just makes you *feel an impulse to drink* right before funny things are going to happen anyway! I'm such a fool, I should have realised when I felt the impulse to drink the Comed-Tea before Dumbledore's second speech, *didn't* drink it, and then choked on my own saliva instead—drinking the Comed-Tea doesn't cause the comedy, the comedy causes you to drink the Comed-Tea! I saw the two events were correlated and assumed the Comed-Tea had to be the cause

and the comedy had to be the effect because I thought temporal order restrained causation and causal graphs had to be acyclic BUT IT ALL MAKES SENSE ONCE YOU DRAW THE CAUSAL ARROWS GOING BACKWARDS IN TIME!"

Realisation struck Harry the *second* pile-driver.

This one he managed to keep quiet, making only a small strangling sound like a dying kitten as he realised who'd put the note on his bed this morning.

Professor McGonagall's eyes were alight. "After you graduate, or possibly even before, you really *must* teach some of these Muggle theories at Hogwarts, Mr. Potter. They sound quite fascinating, even if they're all wrong."

"Glehhahhh..."

Professor McGonagall offered him a few more pleasantries, demanded a few more promises to which Harry nodded, said something about not talking to snakes where anyone could hear him, reminded him to read the pamphlet, and then somehow Harry found himself standing outside her office with the door closed firmly behind him.

"Gaahhhrrrraa..." Harry said.

Why yes his mind *was* blown.

Not least by the fact that, if not for the Prank, he might well have never obtained a Time-Turner in the first place.

Or would Professor McGonagall have given it to him anyway, only later in the day, whenever he got around to asking about his sleep disorder or telling her about the Sorting Hat's message? And would he, at that time, have wanted to pull a prank on himself which would have led to him getting the Time-Turner *earlier*? So that the only *self-consistent* possibility was the one in which the Prank started before he even woke up in the morning...?

Harry found himself considering, for the first time in his life, that the answer to his question might be literally *inconceivable*. That since his own brain contained neurons that only ran forwards in time, there was *nothing* his brain could do, no operation it could perform, which was conjugate to the operation of a Time Turner.

Up until this point Harry had lived by the admonition of E. T. Jaynes that if you were ignorant about a phenomenon, that was a fact about your own state of mind, not a fact about the phenomenon itself; that your uncertainty was a fact about you, not a fact about whatever you were uncertain about; that ignorance existed in the mind, not in reality; that a blank map did not correspond to a blank territory. There were mysterious questions, but a mysterious answer was a contradiction in terms. A phenomenon could be mysterious *to* some particular person, but there could be no phenomena mysterious of themselves. To worship a sacred mystery was just to worship your own ignorance.

So Harry had looked upon magic and refused to be intimidated. People had no sense of history, they learned about chemistry and biology and astronomy and thought that these matters had always been the proper meat of science, that they had *never been* mysterious. The stars had once been mysteries. Lord Kelvin had once called the nature of life and biology—the response of muscles to human will and the generation of trees from seeds—a mystery “infinitely beyond” the reach of science. (Not just a little beyond, mind you, but *infinitely* beyond. Lord Kelvin certainly had felt a huge emotional charge from *not knowing something*.) Every mystery ever solved had been a puzzle from the dawn of the human species right up until someone solved it.

Now, for the first time, he was up against the prospect of a mystery that was threatening to be *permanent*. If Time didn’t work by acyclic causal networks then Harry didn’t understand what was meant by cause and effect; and if Harry didn’t understand causes and effects then he didn’t understand what sort of stuff reality might be made of instead; and it was entirely possible that his human mind never *could* understand, because his brain was made of *old-fashioned linear-time neurons*, and this had turned out to be an impoverished subset of reality.

On the plus side, the Comed-Tea, which had once seemed all-powerful and all-unbelievable, had turned out to have a much simpler explanation. Which he’d missed *merely* because the truth was completely outside his hypothesis space or anything that his brain had evolved to comprehend. But now he actually *had* figured it, probably. Which was sort of encouraging. Sort of.



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## THE UNKNOWN AND THE UNKNOWABLE

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Harry glanced down at his watch. It was nearly 11AM, he'd gotten to sleep last night at 1AM, so in the natural state of affairs he'd go to sleep tonight at 3AM. So to go to sleep at 10PM and wake up at 7AM, he should go back five hours total. Which meant that if he wanted to get back to his dorm at around 6AM, before anyone was awake, he'd better hurry up and...

Even in *retrospect* Harry didn't understand how he'd pulled off *half* the stuff involved in the Prank. Where had the *pie* come from?

Harry was starting to seriously fear time travel.

On the other hand, he had to admit that it *had* been an irreplaceable opportunity. A prank you could only pull on yourself once in a lifetime, within six hours of when you first found out about Time-Turners.

In fact that was even *more* puzzling, when Harry thought about it. Time had presented him with the finished Prank as a *fait accompli*, and yet it was, quite clearly, his own handiwork. Concept and execution and writing style. Every last part, even the ones he still didn't understand.

Well, time was a-wasting and there were at most thirty hours in a day. Harry did know *some* of what he had to do, and he might figure out the rest, like the pie, while he was working. There was no point putting it off. He couldn't exactly accomplish anything stuck here in the *future*.

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Five hours earlier, Harry was sneaking into his dorm with his robes pulled up over his head as a thin sort of disguise, just in case someone was already up and about and saw him at the same time as Harry lying in his bed. He didn't want to have to explain to anyone about his little medical problem with Spontaneous Duplication.

Fortunately it seemed that everyone was still asleep.

And there also seemed to be a box, wrapped in red and green paper with a bright golden ribbon, lying next to his bed. The perfect, stereotypical image of a Christmas present, although it wasn't Christmas.

Harry crept in as softly as he could manage, just in case someone had their Quieter turned down low.

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## CHAPTER 13

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There was an envelope attached to the box, closed by plain clear wax without a seal impressed.

Harry carefully pried the envelope open, and took out the letter inside. The letter said:

*This is the Cloak of Invisibility of Ignotus Peverell, passed down through his descendants the Potters. Unlike lesser cloaks and spells it has the power to keep you hidden, not merely invisible. Your father lent it to me to study shortly before he died, and I confess that I have received much good use of it over the years.*

*In the future I shall have to get along with Disillusionment, I fear. It is time the Cloak was returned to you, its heir. I had thought to make this a Christmas present, but it wished to come back to your hand before then. It seems to expect you to have need of it. Use it well.*

*No doubt you are already thinking of all manner of wonderful pranks, as your father committed in his day. If his full misdeeds were known, every woman in Gryffindor would gather to desecrate his grave. I shall not try to stop history from repeating, but be MOST careful not to reveal yourself. If Dumbledore saw a chance to possess one of the Deathly Hallows, he would never let it escape his grasp until the day he died.*

*A Very Merry Christmas to you.*

The note was unsigned.

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“Hold on,” Harry said, pulling up short as the other boys were about to leave the Ravenclaw dorm. “Sorry, there’s something else I’ve got to do with my trunk. I’ll be along to breakfast in a couple of minutes.”

Terry Boot scowled at Harry. “You’d better not be planning to go through any of our things.”

Harry held up one hand. “I swear that I intend to do nothing of the sort to any of your things, that I only intend to access objects that I myself own, that I have no pranking or otherwise questionable intentions towards any of you, and that I do not anticipate those intentions changing before I get to breakfast in the Great Hall.”

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## THE UNKNOWN AND THE UNKNOWABLE

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Terry frowned. "Wait, is that—"

"Don't worry," said Penelope Clearwater, who was there to guide them. "There were no loopholes. Well-worded, Potter, you should be a lawyer."

Harry Potter blinked at that. Ah, yes, Ravenclaw *prefect*. "Thank you," he said. "I think."

"When you try to find the Great Hall, you will get lost." Penelope stated this in the tones of a flat, unarguable fact. "As soon as you do, ask a portrait how to get to the first floor. Ask another portrait the *instant* you suspect you might be lost again. *Especially* if it seems like you're going up higher and higher. If you are higher than the whole castle ought to be, *stop* and wait for search parties. Otherwise we shall see you again four months later and you will be five months older and dressed in a loincloth and covered in snow and *that's if you stay inside the castle.*"

"Understood," said Harry, swallowing hard. "Um, shouldn't you tell students all that sort of stuff right away?"

Penelope sighed. "What, *all* of it? That would take weeks. You'll pick it up as you go along." She turned to go, followed by the other students. "If I don't see you at breakfast in thirty minutes, Potter, I'll start the search."

Once everyone was gone, Harry attached the note to his bed—he'd already written it and all the other notes, working in his cavern level before everyone else woke up. Then he carefully reached inside the Quietus field and pulled the Cloak of Invisibility off Harry-1's still-sleeping form.

And just for the sake of mischief, Harry put the Cloak into Harry-1's pouch, knowing it would thereby already be in his own.

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"I can see that the message is passed on to Cornelion Flubberwalt," said the painting of a man with aristocratic airs and, in fact, a perfectly normal nose. "But might I ask where it came from *originally*?"

Harry shrugged with artful helplessness. "I was told that it was spoken by a hollow voice that belled forth from a gap within the air itself, a

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## CHAPTER 13

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gap that opened upon a fiery abyss.”

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“Hey!” Hermione said in tones of indignation from her place on the other side of the breakfast table. “That’s *everyone’s* dessert! You can’t just take one whole pie and put it in your pouch!”

“I’m not taking one pie, I’m taking two. Sorry everyone, gotta run now!” Harry ignored the cries of outrage and left the Great Hall. He needed to arrive at Herbology class a little early.

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Professor Sprout eyed him sharply. “And how do *you* know what the Slytherins are planning?”

“I can’t name my source,” Harry said. “In fact I have to ask you to pretend that this conversation never happened. Just act like you happened across them naturally while you were on an errand, or something. I’ll run on ahead as soon as Herbology gets out. I think I can distract the Slytherins until you get there. I’m not easy to scare or bully, and I don’t think they’ll dare to seriously hurt the Boy-Who-Lived. Though... I’m not asking you to run in the hallways, but I would appreciate it if you didn’t dawdle along the way.”

Professor Sprout looked at him for a long moment, then her expression softened. “Please be careful with yourself, Harry Potter. And... thank you.”

“Just be sure not to be late,” Harry said. “And remember, when you get there, you weren’t expecting to see me and this conversation never happened.”

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It was horrible, watching himself yank Neville out of the circle of Slytherins. Neville had been right, he’d used too much force, way too much force.

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## THE UNKNOWN AND THE UNKNOWABLE

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“Hello,” Harry Potter said coldly. “I’m the Boy-Who-Lived.”

Eight first-year boys, mostly the same height. One of them had a scar on his forehead and he wasn’t acting like the others.

Oh wad some power the giftie gie us  
To see oursel’s as others see us!  
It wad frae monie a blunder free us,  
And foolish notion—

Professor McGonagall was right. The Sorting Hat was right. It was clear once you saw it from the outside.

There was something wrong with Harry Potter.



## CHAPTER FOURTEEN

# CONSCIENTIOUSNESS

“*Frigideiro!*”

Harry dipped a finger in the glass of water on his desk. It should have been cool. But lukewarm it was, and lukewarm it had stayed. Again.

Harry was feeling very, very cheated.

There were hundreds of fantasy novels scattered around the Verres household. Harry had read quite a few. And it was starting to look like he had a mysterious dark side. So after the glass of water had refused to cooperate the first few times, Harry had glanced around the Charms classroom to make sure no one was watching, and then taken a deep breath, concentrated, and made himself angry. Thought about the Slytherins bullying Neville, and the game where someone knocked down your books every time you tried to pick them up again. Thought about what Draco Malfoy had said about the ten-year-old Lovegood girl and how the Wizen-gamot really operated...

And the fury had entered his blood, he had held out his wand in a hand that trembled with hate and said in cold tones “*Frigideiro!*” and absolutely nothing had happened.

Harry had been *gypped*. He wanted to write someone and demand a *refund* on his dark side which clearly *ought* to have irresistible magical power but had turned out to be *defective*.

“*Frigideiro!*” said Hermione again from the desk next to him. Her water was solid ice and there were white crystals forming on the rim of her glass. She seemed to be totally intent on her own work and not at all conscious of the other students staring at her with hateful eyes, which was either (a) dangerously oblivious of her or (b) a perfectly honed performance rising to the level of fine art.

"Oh, *very* good, Miss Granger!" squeaked Filius Flitwick, their Charms Professor and Head of Ravenclaw, a tiny little man with no visible signs of being a past dueling champion. "Excellent! Stupendous!"

Harry had expected to be, in the worst case, second behind Hermione. Harry would have preferred for *her* to be rivalling *him*, of course, but he could have accepted it the other way around.

As of Monday, Harry was headed for the bottom of the class, a position for which he was companionably rivalling all the other Muggle-raised students except Hermione. Who was all alone and rivalless at the top, poor thing.

Professor Flitwick was standing over the desk of one of the other Muggleborns and quietly adjusting the way she was holding her wand.

Harry looked over at Hermione. He swallowed hard. It was the obvious role for her in the scheme of things... "Hermione?" Harry said tentatively. "Do you have any idea what I might be doing wrong?"

Hermione's eyes lit up with a terrible light of helpfulness and something in the back of Harry's brain screamed in desperate humiliation.

Five minutes later, Harry's water did seem noticeably cooler than room temperature and Hermione had given him a few verbal pats on the head and told him to pronounce it more carefully next time and gone off to help someone else.

Professor Flitwick had given her a House point for helping him.

Harry was gritting his teeth so hard his jaw ached and that wasn't helping his pronunciation.

*I don't care if it's unfair competition. I know exactly what I am doing with two extra hours every day. I am going to sit in my trunk and study until I am keeping up with Hermione Granger.*

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"Transfiguration is some of the most complex and dangerous magic you will learn at Hogwarts," said Professor McGonagall. There was no trace of any levity upon the face of the stern old witch. "Anyone messing around in my class will leave and not come back. You have been warned."



Her wand came down and tapped her desk, which smoothly reshaped itself into a pig. A couple of Muggleborn students gave out small yelps. The pig looked around and snorted, seeming confused, and then became a desk again.

The Transfiguration Professor looked around the classroom, and then her eyes settled on one student.

"Mr. Potter," said Professor McGonagall. "You only received your schoolbooks a few days ago. Have you started reading your Transfiguration textbook?"

"No, sorry professor," Harry said.

"You needn't apologise, Mr. Potter, if you were required to read ahead you would have been told to do so." McGonagall's fingers rapped the desk in front of her. "Mr. Potter, would you care to guess whether this is a desk which I Transfigured into a pig, or if it began as a pig and I briefly removed the Transfiguration? If you had read the first chapter of your textbook, you would know."

Harry's eyebrows furrowed slightly. "I'd guess it'd be easier to start with a pig, since if it started as a desk, it might not know how to stand up."

Professor McGonagall shook her head. "No fault to you, Mr. Potter, but the correct answer is that in Transfiguration you do *not* care to guess. Wrong answers will be marked with extreme severity, questions left blank will be marked with great leniency. You must learn to know what you do not know. If I ask you any question, no matter how obvious or elementary, and you answer 'I'm not sure', I will not hold it against you and anyone who laughs will lose House points. Can you tell me why this rule exists, Mr. Potter?"

*Because a single error in Transfiguration can be incredibly dangerous.* "No."

"Correct. Transfiguration is more dangerous than Apparition, which is not taught until your sixth year. Unfortunately, Transfiguration must be learned and practised at a young age to maximise your adult ability. So this is a dangerous subject, and you should be quite scared of making any mistakes, because none of my students have ever been permanently injured and I will be *extremely put out* if you are the first class to *spoil my record*."

Several students gulped.

Professor McGonagall stood up and moved over to the wall behind her desk, which held a polished wooden board. "There are many reasons why Transfiguration is dangerous, but one reason stands above all the rest." She produced a short quill with a thick end, and used it to sketch letters in red; which she then underlined, using the same marker, in blue:

## TRANSFIGURATION IS NOT PERMANENT!

"Transfiguration is not permanent!" said Professor McGonagall. "Transfiguration is not permanent! Transfiguration is not permanent! Mr. Potter, suppose a student Transfigured a block of wood into a cup of water, and you drank it. What do you imagine might happen to you when the Transfiguration wore off?" There was a pause. "Excuse me, I should not have asked that of you, Mr. Potter, I forgot that you are blessed with an unusually pessimistic imagination—"

"I'm fine," Harry said, swallowing hard. "So the first answer is that I don't *know*," the Professor nodded approvingly, "but I *imagine* there might be... wood in my stomach, and in my bloodstream, and if any of that water had gotten absorbed into my body's tissues—would it be wood pulp or solid wood or..." Harry's grasp of magic failed him. He couldn't understand how wood mapped into water in the first place, so he couldn't understand what would happen after the water molecules were scrambled by ordinary thermal motions and the magic wore off and the mapping reversed.

McGonagall's face was stiff. "As Mr. Potter has correctly reasoned, he would become extremely sick and require immediate Flooing to St. Mungo's Hospital if he was to have any chance of survival. Please turn your textbooks to page 5."

Even without any sound in the moving picture, you could tell that the woman with horribly discolored skin was screaming.

"The criminal who originally Transfigured gold into wine and gave it to this woman to drink, 'in payment of the debt' as he put it, received a

sentence of ten years in Azkaban. Please turn to page 6. That is a Dementor. They are the guardians of Azkaban. They suck away at your magic, your life, and any happy thoughts you try to have. The picture on page 7 is of the criminal ten years later, on his release. You will note that he is dead—yes, Mr. Potter?”

“Professor,” Harry said, “if the worst happens in a case like that, is there any way of *maintaining* the Transfiguration?”

“No,” Professor McGonagall said flatly. “Sustaining a Transfiguration is a constant drain on your magic which scales with the size of the target form. And you would need to recontact the target every few hours, which is, in a case like this, impossible. Disasters like this are *unrecoverable!*”

Professor McGonagall leaned forwards, her face very hard. “You will absolutely never under any circumstances Transfigure anything into a liquid or a gas. No water, no air. Nothing like water, nothing like air. Even if it is not meant to drink. Liquid *evaporates*, little bits and pieces of it get into the air. You will not Transfigure anything that is to be burned. It will make smoke and someone could breathe that smoke! You will never Transfigure anything that could conceivably go inside anyone’s body by any means. No food. Nothing that *looks like* food. Not even as a funny little prank where you mean to tell them about your mud pie before they actually eat it. You will never do it. Period. Inside this classroom or out of it or *anywhere*. Is that well understood by *every single student?*”

“Yes,” said Harry, Hermione, and a few others. The rest seemed to be speechless.

*“Is that well understood by every single student?”*

“Yes,” they said or muttered or whispered.

“If you break any of these rules you will not further study Transfiguration during your stay at Hogwarts. Repeat along with me. I will never Transfigure anything into a liquid or gas.”

“I will never Transfigure anything into a liquid or gas,” said the students in ragged chorus.

“Again! Louder! I will never Transfigure anything into a liquid or gas.”

“I will never Transfigure anything into a liquid or gas.”

"I will never Transfigure anything that looks like food or anything else that goes inside a human body."

"I will never Transfigure anything that is to be burned because it could make smoke."

"You will never Transfigure anything that looks like money, including Muggle money," said Professor McGonagall. "The goblins have ways of finding out who did it. As a matter of recognised law, the goblin nation is in a permanent state of *war* with all magical counterfeiters. They will not send Aurors. They will send an army."

"I will never Transfigure anything that looks like money," repeated the students.

"And *above all*," said Professor McGonagall, "you will not Transfigure any living subject, *especially yourselves*. It will make you very sick and possibly dead, depending on how you Transfigure yourself and how long you maintain the change." Professor McGonagall paused. "Mr. Potter is currently holding up his hand because he has seen an Animagus transformation—specifically, a human transforming into a cat and back again. But an Animagus transformation is not *free* Transfiguration."

Professor McGonagall took a small chunk of wood out of her pocket. With a tap of her wand it became a glass ball. Then she said "*Crystferrium!*" and the glass ball became a steel ball. She tapped it with her wand one last time and the steel ball became a piece of wood once more. "*Crystferrium* transforms a subject of solid glass into a similarly shaped target of solid steel. It cannot do the reverse, nor can it transform a desk into a pig. The most general form of Transfiguration—free Transfiguration, which you will be learning here—is capable of transforming any subject into any target, at least so far as physical form is concerned. For this reason, free Transfiguration must be done wordlessly. Using Charms would require different words for every different transformation between subject and target."

Professor McGonagall gave her students a sharp look. "Some teachers begin with Transfiguration Charms and move on to free Transfiguration afterwards. Yes, that would be much easier in the beginning. But it can set you in a poor mold which impairs your abilities later. Here you will learn free Transfiguration from the *very start*, which requires that you cast

the spell wordlessly, by holding the subject form, the target form, and the transformation within your own mind.”

“And to answer Mr. Potter’s question,” Professor McGonagall went on, “it is *free* Transfiguration which you must never do to any living subject. There are Charms and potions which can safely, reversibly transform living subjects in *limited* ways. An Animagus with a missing limb will still be missing that limb after transforming, for example. Free Transfiguration is *not* safe. Your body will change while it is Transfigured—breathing, for example, results in a constant loss of the body’s stuff to the surrounding air. When the Transfiguration wears off and your body tries to revert to its *original* form, it will not quite be able to do so. If you press your wand to your body and imagine yourself with golden hair, afterwards your hair will fall out. If you visualise yourself as someone with clearer skin, you will be taking a long stay at St. Mungo’s. And if you Transfigure yourself into an adult bodily form, then, when the Transfiguration wears off, you will die.”

That explained why he had seen such things as fat boys, or girls less than perfectly pretty. Or old people, for that matter. That wouldn’t happen if you could just Transfigure yourself every morning... Harry raised his hand and tried to signal Professor McGonagall with his eyes.

“Yes, Mr. Potter?”

“Is it possible to Transfigure a living subject into a target that is static, such as a coin—no, excuse me, I’m terribly sorry, let’s just say a steel ball.”

Professor McGonagall shook her head. “Mr. Potter, even inanimate objects undergo small internal changes over time. There would be no visible changes to your body afterwards, and for the first minute, you would notice nothing wrong. But in an hour you would be sick, and in a day you would be dead.”

“Erm, excuse me, so if I’d read the first chapter I could have *guessed* that the desk was originally a desk and not a pig,” Harry said, “but only if I made the *further* assumption that you didn’t want to kill the pig, that might *seem* highly probable but—”

“I can foresee that marking your tests will be an endless source of delight to me, Mr. Potter. But if you have other questions can I please ask you to wait until after class?”

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## CHAPTER 14

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“No further questions, professor.”

“Now repeat after me,” said Professor McGonagall. “I will never try to Transfigure any living subject, especially myself, unless specifically instructed to do so using a specialised Charm or potion.”

“If I am not sure whether a Transfiguration is safe, I will not try it until I have asked Professor McGonagall or Professor Flitwick or Professor Snape or the Headmaster, who are the only recognised authorities on Transfiguration at Hogwarts. Asking another student is *not* acceptable, even if they say that they remember asking the same question.”

“Even if the current Defence Professor at Hogwarts tells me that a Transfiguration is safe, and even if I see the Defence Professor do it and nothing bad seems to happen, I will not try it myself.”

“I have the absolute right to refuse to perform any Transfiguration about which I feel the slightest bit nervous. Since not even the Headmaster of Hogwarts can order me to do otherwise, I certainly will not accept any such order from the Defence Professor, even if the Defence Professor threatens to deduct one hundred House points and have me expelled.”

“If I break any of these rules I will not further study Transfiguration during my time at Hogwarts.”

“We will repeat these rules at the start of every class for the first month,” said Professor McGonagall. “And now, we will begin with matches as subjects and needles as targets... put away your wands, thank you, by ‘begin’ I meant that you will begin taking notes.”

Half an hour before the end of class, Professor McGonagall handed out the matches.

At the end of the class Hermione had a silvery-looking match and the entire rest of the class, Muggleborn or otherwise, had exactly what they’d started with.

Professor McGonagall awarded her another point for Ravenclaw.

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After the Transfiguration class was dismissed, Hermione came over to Harry’s desk as Harry was putting away his books into his pouch.

"You know," Hermione said with an innocent expression on her face, "I earned two points for Ravenclaw today."

"So you did," Harry said shortly.

"But that wasn't as good as your *seven* points," she said. "I guess I'm just not as intelligent as you."

Harry finished feeding his homework into the pouch and turned to Hermione with his eyes narrowed. He'd actually forgotten about that.

She *batted her eyelashes* at him. "We have lessons every day, though. I wonder how long it will take you to find some more Hufflepuffs to rescue? Today is Monday. So that gives you until Thursday."

The two of them stared into each other's eyes, unblinking.

Harry spoke first. "Of course you realise this means war."

"I didn't know we'd been at peace."

All of the other students were now watching with fascinated eyes. All of the other students, plus, unfortunately, Professor McGonagall.

"Oh, Mr. Potter," sang Professor McGonagall from the other side of the room, "I have some good news for you. Madam Pomfrey has approved your suggestion for preventing breakage in her Spimster wickets, and the plan is to finish the job by the end of next week. I'd say that deserves... let's call it ten points for Ravenclaw."

Hermione's face was gaping in betrayal and shock. Harry imagined his own face didn't look much different.

"Professor..." Harry hissed.

"Those ten points are *unquestionably* deserved, Mr. Potter. I would not hand out House points on a whim. To you it might have been a simple matter of seeing something fragile and suggesting a way to protect it, but Spimster wickets are expensive, and the Headmaster was *not* pleased the last time one broke." Professor McGonagall looked thoughtful. "My, I wonder if any other student has ever earned seventeen House points on his first day of lessons. I'll have to look it up, but I suspect that's a new record. Perhaps we should have an announcement at dinnertime?"

"PROFESSOR!" Harry shrieked. "This is *our* war! Stop meddling!"

"Now you have until Thursday of *next* week, Mr. Potter. Unless, of course, you engage in some sort of mischief and *lose* House points before then. Addressing a professor disrespectfully, for example." Profes-

sor McGonagall put a finger on her cheek and looked reflective. "I expect you'll hit negative numbers before the end of Friday."

Harry's mouth snapped shut. He sent his best Death Glare at McGonagall but she only seemed to find it amusing.

"Yes, definitely an announcement at dinner," Professor McGonagall mused. "But it wouldn't do to offend the Slytherins, so the announcement should be brief. Just the number of points and the fact of the record... and if anyone comes to you for help with their schoolwork and is disappointed that you haven't even started reading your textbooks, you can always refer them to Miss Granger."

"Professor!" said Hermione in a rather high-pitched voice.

Professor McGonagall ignored her. "My, I wonder how long it will take before Miss Granger does something deserving of a dinnertime announcement? I look forward to seeing it, whatever it may be."

Harry and Hermione, by unspoken mutual consent, turned and stormed out of the classroom. They were followed by a trail of hypnotised Ravenclaws.

"Um," Harry said. "Are we still on for after dinner?"

"Of course," said Hermione. "I wouldn't want you to fall further behind on your studying."

"Why, thank you. And let me say that as brilliant as you are already, I can't help but wonder what you'll be like once you have some elementary training in rationality."

"Is it really that useful? It didn't seem to help you with Charms or Transfiguration."

There was a slight pause.

"Well, I only got my schoolbooks four days ago. That's why I had to earn those seventeen House points without using my wand."

"Four days ago? Maybe you can't read eight books in four days but you might have at least read *one*. How many days will it take to finish at that rate? You know all that mathematics, so can you tell me what's eight, times four, divided by zero?"

"I've got classes now, which you didn't, but weekends are free, so... limit of eight times four divided by epsilon as epsilon approaches zero plus... 10:47AM on Sunday."



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## CONSCIENTIOUSNESS

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“I did it in *three* days actually.”

“2:47PM on Saturday it is, then. I’m sure I’ll find the time somewhere.”

And there was evening and there was morning, the first day.



## CHAPTER FIFTEEN

# LATERAL THINKING

As soon as he walked into the Defence classroom on Wednesday, Harry knew that *this* subject was going to be *different*.

It was, for a start, the largest classroom he had yet seen at Hogwarts, akin to a major university classroom, with layered tiers of desks facing a gigantic flat stage of white marble. The classroom was high up in the castle—on the fifth floor—and Harry knew that was as much explanation as he'd get for where a room like this was supposed to fit. It was becoming clear that Hogwarts simply did not *have* a geometry, Euclidean or otherwise; it had connections, not directions.

Unlike a university hall, there weren't rows of folding seats; instead there were quite ordinary Hogwarts wooden desks and wooden chairs, lined up in a curve across each level of the classroom. Except that each desk had a flat, white, rectangular, mysterious object propped up on it.

In the center of the gigantic platform, on a small raised dais of darker marble, was a lone teacher's desk. At which Quirrell sat slumped over in his chair, head lolled back, drooling slightly over his robes.

*Now what does that remind me of...?*

Harry had arrived at the lesson so early that no other students were there yet. (The English language was defective when it came to describing time travel; in particular, English lacked any words capable of expressing how convenient it was.) Quirrell didn't seem to be... functional... at the moment, and Harry didn't particularly feel like approaching Quirrell anyway.

Harry selected a desk, climbed up to it, sat down, and retrieved the Defence textbook. He was around seven-eighths of the way through—he'd planned on finishing the book before this lesson, actually, but he was

running behind schedule and had already used the Time-Turner twice today.

Soon there were sounds as the classroom began to fill up. Harry ignored them.

“Potter? What are *you* doing here?”

*That* voice didn’t belong here. Harry looked up. “Draco? What are *you* doing in oh my god you have *minions*.”

One of the lads standing behind Draco seemed to have rather a lot of muscle for an eleven-year-old, and the other was poised in a suspiciously balanced-looking stance.

The white-blond-haired boy smiled rather smugly and gestured behind him. “Potter, I introduce to you Mr. Crabbe,” his hand moved from Muscles to Balance, “Mr. Goyle. Vincent, Gregory, this is Harry Potter.”

Mr. Goyle tilted his head and gave Harry a look that was probably supposed to mean something but ended up just looking squinty. Mr. Crabbe said “Please to meetcha” in a tone that sounded like he was trying to lower his voice as far as it could go.

A fleeting expression of consternation crossed Draco’s face, but was quickly replaced by his superior grin.

“You have *minions*!” Harry repeated. “Where do *I* get minions?”

Draco’s smirk grew wider. “I’m afraid, Potter, that the first step is to be Sorted into Slytherin—”

“What? That’s not fair!”

“—and then for your families to have an arrangement from before you were born.”

Harry looked at Mr. Crabbe and Mr. Goyle. They both seemed to be trying very hard to loom. That is, they were leaning forwards, hunching over their shoulders, sticking their necks out and staring at him.

“Um... hold on,” said Harry. “This was arranged *years* ago?”

“Exactly, Potter. I’m afraid you’re out of luck.”

Mr. Goyle produced a toothpick and began cleaning his teeth, still looming.

“And,” said Harry, “Lucius insisted that you were *not* to grow up knowing your bodyguards, and that you were only to meet them on your first day of school.”

That wiped the grin from Draco's face. "Yes, Potter, we all know you're brilliant, the whole school knows by now, you can stop showing off—"

"So they've been told their *whole lives* that they're going to be your minions and they've spent *years* imagining what minions are supposed to be like—"

Draco winced.

"—and what's worse, they *do* know *each other* and they've been *practising*—"

"The boss told ya to shut it," rumbled Mr. Crabbe. Mr. Goyle bit down on his toothpick, holding it between his teeth, and used one hand to crack the knuckles on the other.

"*I told you not to do this in front of Harry Potter!*"

The two looked a bit sheepish and Mr. Goyle quickly put the toothpick back in a pocket of his robes.

But the moment Draco turned away from them to face Harry again, they went back to looming.

"I apologise," Draco said stiffly, "for the insult which these *imbeciles* have offered you."

Harry gave a meaningful look to Mr. Crabbe and Mr. Goyle. "I'd say you're being a little harsh on them, Draco. *I* think they're acting exactly the way I'd want *my* minions to act. I mean, if I had any minions."

Draco's jaw dropped.

"Hey, Gregory, you don't think he's tryna lure us away from the boss, do ya?"

"I'm sure Mr. Potter wouldn't be that foolish."

"Oh, I wouldn't dream of it," Harry said smoothly. "It's just something to keep in mind if your current employer seems unappreciative. Besides, it never hurts to have other offers while you're negotiating your working conditions, right?"

"What's *he* doin' in Ravenclaw?"

"I can't imagine, Mr. Crabbe."

"Both of you *shut up*," Draco said through gritted teeth. "That's an *order*." With a visible effort, he transferred his attention to Harry again. "Anyway, what're you doing in the Slytherin Defence class?"

Harry frowned. "Hold on." His hand went into his pouch. "Timetable." He looked over the parchment. "Defence, 2:30pm, and right now it's..." Harry looked at his mechanical watch, which read 11:23. "2:23, unless I've lost track of time. Did I?" If he had, well, Harry knew how to get to whatever lesson he was *supposed* to be at. God he loved his Time-Turner and someday, when he was old enough, they would get married.

"No, that sounds right," Draco said, looking puzzled. His gaze turned to look over the rest of the auditorium, which was filling with green-trimmed robes and...

"*Gryffindorks!*" spat Draco. "What're *they* doing here?"

"Hm," Harry said. "Professor Quirrell did say... I forget his exact words... that he would be ignoring some of the Hogwarts teaching conventions. Maybe he just combined all his classes."

"Huh," said Draco. "You're the first Ravenclaw in here."

"Yup. Got here early."

"What're you doing all the way in the back row, then?"

Harry blinked. "I dunno, seemed like a good place to sit?"

Draco made a scoffing sound. "You couldn't get any further away from the teacher if you tried." The blonde-haired boy leaned slightly closer. "Anyway, is it true about what you said to Derrick and his crew?"

"Who's Derrick?"

"You hit him with a pie?"

"Two pies, actually. What am I supposed to have said to him?"

"That he wasn't doing anything cunning or ambitious and he was a disgrace to Salazar Slytherin." Draco was staring intently at Harry.

"That... sounds about right," Harry said. "I think it was more like, 'is this some kind of incredibly clever plot that will gain you a future advantage or is it really as much of a disgrace to the memory of Salazar Slytherin as it looks like' or something like that. I don't remember the exact words."

"You're confusing everyone, you know," said the blonde-haired boy.

"Huh?" Harry said in honest confusion.

"Warrington said that spending a long time under the Sorting Hat is one of the warning signs of a major Dark Wizard. Everyone was talking about it, wondering if they should start sucking up to you just in case. Then you went and protected a bunch of *Hufflepuffs*, for Merlin's

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## LATERAL THINKING

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sake. *Then* you told Derrick he's a disgrace to Salazar Slytherin's memory! What's anyone *supposed* to think?"

"That the Sorting Hat decided to put me in the House of 'Slytherin! Just kidding! Ravenclaw!' and I've been acting accordingly."

Mr. Crabbe and Mr. Goyle both giggled, causing Mr. Goyle to quickly clap a hand to his mouth.

"We'd better go get our seats," Draco said. He hesitated, straightened a bit, spoke a bit more formally. "But I do want to continue our last conversation and I accept your conditions."

Harry nodded. "Would you mind terribly if I waited until Saturday afternoon? I'm in a bit of a contest right now."

"A contest?"

"See if I can read all my textbooks as fast as Hermione Granger did."

"Granger," Draco echoed. His eyes narrowed. "The mudblood who thinks she's Merlin? If you're trying to show *her* up then all Slytherin wishes you the *very* best luck, Potter, and I won't bother you 'til Saturday." Draco inclined his head respectfully, and wandered off, tailed by his minions.

*Oh, this is going to be so much fun to juggle, I can already tell.*

The classroom was filling up rapidly now with all four colors of trim: green, red, yellow, and blue. Draco and his two friends seemed to be in the midst of trying to acquire three contiguous front-row seats—already occupied, of course. Mr. Crabbe and Mr. Goyle were looming vigorously, but it didn't seem to be having much effect.

Harry bent over his Defence textbook and continued reading.

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At 2:35PM, when most of the seats were taken and no one else seemed to be coming in, Professor Quirrell gave a sudden jerk in his chair and sat up straight, and his face appeared on all the flat, white rectangular objects that were propped up on the students' desks.

Harry was taken by surprise, both by the sudden appearance of Professor Quirrell's face and by the resemblance to Muggle television. There

was something both nostalgic and sad about that, it seemed so much like a piece of home and yet it wasn't really...

"Good afternoon, my young apprentices," said Professor Quirrell. His voice seemed to come from the desk screen and to be speaking directly to Harry. "Welcome to your first lesson in Battle Magic, as the founders of Hogwarts would have put it; or, as it happens to be called in the late twentieth century, Defence Against the Dark Arts."

There was a certain amount of frantic scrabbling as students, taken by surprise, reached for their parchment or notebooks.

"No," Professor Quirrell said. "Don't bother writing down what this subject was once called. No such pointless question will count toward your marks in any of my lessons. That is a promise."

Many students sat straight up at that, looking rather shocked.

Professor Quirrell was smiling thinly. "Those of you who have wasted time by reading your useless first-year Defence textbooks—"

Someone made a choking sound. Harry wondered if it was Hermione.

"—may have gotten the impression that although this subject is called Defence Against the Dark Arts, it is actually about how to defend against Nightmare Butterflies, which cause mildly bad dreams, or Acid Slugs, which can dissolve all the way through a two-inch wooden beam given most of a day."

Professor Quirrell stood up, shoving his chair back from the desk. The screen on Harry's desk followed his every move. Professor Quirrell strode towards the front of the classroom, and bellowed:

"The Hungarian Horntail is taller than a dozen men! It breathes fire so quickly and so accurately that it can melt a Snitch in midflight! One Killing Curse will bring it down!"

There were gasps from the students.

"The Mountain Troll is more dangerous than the Hungarian Horntail! It is strong enough to bite through steel! Its hide is resistant enough to withstand Stunning Hexes and Cutting Charms! Its sense of smell is so acute that it can tell from afar whether its prey is part of a pack, or alone and vulnerable! Most fearsome of all, the troll is unique among magical creatures in continuously maintaining a form of Transfiguration on



itself—it is always transforming into its own body. If you somehow succeed in ripping off its arm it will grow another within seconds! Fire and acid will produce scar tissue which can temporarily confuse a troll's regenerative powers—for an hour or two! They are smart enough to use clubs as tools! The mountain troll is the third most perfect killing machine in all Nature! One Killing Curse will bring it down."

The students were looking rather shocked.

Professor Quirrell was smiling rather grimly. "Your sad excuse for a third-year Defence textbook will suggest to you that you expose the mountain troll to sunlight, which will freeze it in place. This, my young apprentices, is the sort of useless knowledge you will never find in my lessons. You do not encounter mountain trolls in open daylight! The idea that you should use sunlight to stop them is the result of foolish textbook authors trying to show off their mastery of minutia at the expense of practicality. Just because there is a ridiculously obscure way of dealing with mountain trolls does not mean you should actually try to use it! The Killing Curse is unblockable, unstoppable, and works every single time on anything with a brain. If, as an adult wizard, you find yourself incapable of using the Killing Curse, then you can simply Apparate away! Likewise if you are facing the second most perfect killing machine, a Dementor. You just Apparate away!"

"Unless, of course," Professor Quirrell said, his voice now lower and harder, "you are under the influence of an anti-Apparition jinx. No, there is exactly one monster which can threaten you once you are fully grown. The single most dangerous monster in all the world, so dangerous that nothing else comes close. The Dark Wizard. That is the only thing that will still be able to threaten you."

Professor Quirrell's lips were set in a thin line. "I will reluctantly teach you enough trivia for a passing mark on the Ministry-mandated portions of your first-year finals. Since your exact mark on these sections will make no difference to your future life, anyone who wants more than a passing mark is welcome to waste their own time studying our pathetic excuse for a textbook. The title of this subject is not Defence Against Minor Pests. You are here to learn how to defend yourselves against the Dark Arts. Which means, let us be very clear on this, defending yourselves

against Dark Wizards. People with wands who want to hurt you and who will likely succeed in doing so unless you hurt them first! There is no defence without offence! There is no defence without fighting! This reality is deemed too harsh for eleven-year-olds by the fat, overpaid, Auror-guarded politicians who mandated your curriculum. To the abyss with those fools! You are here for the subject that has been taught at Hogwarts for eight hundred years! Welcome to your first year of Battle Magic!”

Harry started applauding. He couldn’t help himself, it was too inspiring.

Once Harry started clapping there was some scattered response from Gryffindor, and more from Slytherin, but most students simply seemed too stunned to react.

Professor Quirrell made a cutting gesture, and the applause died instantly. “Thank you very much,” said Professor Quirrell. “Now to practicalities. I have combined all my first-year Battle classes into one, which allows me to offer you twice as much classroom time as Doubles sessions—”

There were gasps of horror.

“—an increased load which I will make up to you by not assigning any homework.”

The gasps of horror cut off abruptly.

“Yes, you heard me correctly. I will teach you to fight, not to write twelve inches on fighting due Monday.”

Harry desperately wished he’d sat next to Hermione so he could see the look on her face now, but on the other hand he was pretty sure he was imagining it accurately.

Also Harry was in love. It would be a three-way wedding: him, the Time-Turner, and Professor Quirrell.

“For those of you who so choose, I have arranged some after-school activities that I think you will find quite interesting as well as educational. Do you want to show the world your *own* abilities instead of watching fourteen other people play Quidditch? More than seven people can fight in an army.”

Hot *damn*.

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## LATERAL THINKING

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"These and other after-school activities will also earn you Quirrell points. What are Quirrell points, you ask? The House point system does not suit my needs, because it makes House points too rare. I prefer to let my students know how they are doing more frequently than that. And on the rare occasions I offer you a written test, it will mark itself as you go along, and if you get too many related questions wrong, your test will show the names of students who got those questions right, and those students will be able to earn Quirrell points by helping you."

...wow. Why didn't the other professors use a system like that?

"What good are Quirrell points, you wonder? For a start, ten Quirrell points will be worth one House point. But they will earn you other favors as well. Would you like to take your exam at an unusual time? Is there a particular session you would very much prefer to skip? You will find that I can be very flexible on behalf of students who have accumulated enough Quirrell points. Quirrell points will control the generalship of the armies. And for Christmas—just before the Christmas break—I will grant someone a wish. Any school-related feat that lies within my power, my influence, or above all, my ingenuity. Yes, I was in Slytherin and I am offering to formulate a cunning plot on your behalf, if that is what it takes to accomplish your desire. This wish will go to whoever has earned the most Quirrell points within all seven years."

That would be Harry.

"Now leave your books and loose items at your desks—they will be safe, the screens will watch over them for you—and come down onto this platform. It's time to play a game called Who's the Most Dangerous Student in the Classroom."

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Harry twisted his wand in his right hand and said "*Ma-ha-su!*"

There was another high-pitched "bing" from the floating blue sphere that Professor Quirrell had assigned to Harry as his target. That particular sound meant a perfect strike, which Harry had been gotten on nine out of his last ten attempts.

Somewhere Professor Quirrell had dug up a spell that was incredibly easy to pronounce, *and* had a ridiculously simple wand motion, *and* had a tendency to hit wherever you were currently looking at. Professor Quirrell had disdainfully proclaimed that real battle magic was far more difficult than this. That the hex was entirely useless in actual combat. That it was a barely ordered burst of magic whose only real content was the aiming, and that it would produce, when it hit, a pain briefly equivalent to being punched hard in the nose. That the sole purpose of this test was to see who was a fast learner, since Professor Quirrell was certain no one would have previously encountered this hex or anything like it.

Harry didn't care about any of that.

*"Ma-ha-su!"*

A *red bolt of energy* shot out of his wand and struck the target and the blue sphere once again made the *bing* which meant the spell had *actually worked for him*.

Harry was feeling like a real wizard for the first time since he'd come to Hogwarts. He wished the target would dodge like the little spheres that Ben Kenobi had used for training Luke, but for some reason Professor Quirrell had instead lined up all the students and targets in neat orders which made sure they wouldn't fire on each other.

So Harry lowered his wand, skipped to the right, snapped up his wand and twisted and shouted *"Ma-ha-su!"*

There was a lower-pitched "*dong*" which meant he'd gotten it almost right.

Harry put his wand into his pocket, skipped back to the left and drew and fired another red bolt of energy.

The high-pitched *bing* which resulted was easily one of the most satisfying sounds he'd heard in his life. Harry wanted to scream in triumph at the top of his lungs. *I CAN DO MAGIC! FEAR ME, LAWS OF PHYSICS, I'M COMING TO VIOLATE YOU!*

*"Ma-ha-su!"* Harry's voice was loud, but hardly noticeable over the steady chant of similar cries from around the classroom platform.

"Enough," said Professor Quirrell's amplified voice. (It didn't sound loud. It sounded like normal volume, coming from just behind your left shoulder, no matter where you were standing relative to Professor Quir-

rell.) "I see that all of you have succeeded at least once now." The target-spheres turned red and began to drift up towards the ceiling.

Professor Quirrell was standing on the raised dais in the center of the platform, leaning slightly on his teacher's desk with one hand.

"I told you," Professor Quirrell said, "that we would play a game called Who's the Most Dangerous Student in the Classroom. There is one student in this classroom who mastered the Sumerian Simple Strike Hex faster than anyone else—"

Oh blah blah blah.

"—and went on to help seven other students. For which she has earned the first seven Quirrell points awarded to your year. Come forth, Hermione Granger. It is time for the next stage of the game."

Hermione Granger began striding forwards, a mixed look of triumph and apprehension on her face. The Ravenclaws looked on proudly, the Slytherins with glares, and Harry with frank annoyance. Harry had done fine this time. He was probably even in the upper half of the class, now that everyone had been faced with an equally unfamiliar spell and Harry had read all the way through Adalbert Waffling's *Magical Theory*. And yet *Hermione was still doing better*.

Somewhere in the back of his mind was the fear that Hermione was simply smarter than him.

But for now Harry was going to pin his hopes on the known facts that (a) Hermione had read a lot more than the standard textbooks and (b) Adalbert Waffling was an uninspired sod who'd written *Magical Theory* to pander to a school board that didn't think much of eleven-year-olds.

Hermione reached the central dais and stepped up.

"Hermione Granger mastered a completely unfamiliar spell in two minutes, almost a full minute faster than the next runner-up." Professor Quirrell turned slowly in place to look at all the students watching them. "Could Miss Granger's intelligence make her the most dangerous student in the classroom? Well? What do you think?"

No one seemed to be thinking anything at the moment. Even Harry wasn't sure what to say.

"Let's find out, shall we?" said Professor Quirrell. He turned back to Hermione, and gestured toward the wider class. "Select any student you

like and cast the Simple Strike Hex on them.”

Hermione froze where she stood.

“Come now,” Professor Quirrell said smoothly. “You have cast this spell perfectly over fifty times. It is not permanently harmful or even all that painful. It hurts as much as a hard punch and lasts only a few seconds.” Professor Quirrell’s voice grew harder. “This is a direct order from your professor, Miss Granger. Choose a target and fire a Simple Strike Hex.”

Hermione’s face was screwed up in horror and her wand was trembling in her hand. Harry’s own fingers were clenching his own wand hard in sympathy. Even though he could see what Professor Quirrell was trying to do. Even though he could see the point Professor Quirrell was trying to make.

“If you do *not* raise your wand and fire, Miss Granger, you will lose a Quirrell point.”

Harry stared at Hermione, willing her to look in his direction. His right hand was softly tapping his own chest. *Pick me, I’m not afraid...*

Hermione’s wand twitched in her hand; then her face relaxed, and she lowered her wand to her side.

“No,” said Hermione Granger.

Her voice was calm, and even though it wasn’t loud, everyone heard it in the silence.

“Then I must deduct one point from you,” said Professor Quirrell. “This is a test, and you have failed it.”

That reached her. Harry could see it. But she kept her shoulders straight.

Professor Quirrell’s voice was sympathetic and seemed to fill the whole room. “Knowing things isn’t always enough, Miss Granger. If you cannot give and receive violence on the order of stubbing your toe, then you cannot defend yourself and you will not pass Defence. Please rejoin your classmates.”

Hermione walked back towards the Ravenclaw cluster. Her face looked peaceful and Harry, for some odd reason, wanted to start clapping. Even though Professor Quirrell had been *right*.

"So," Professor Quirrell said. "It becomes clear that Hermione Granger is not the most dangerous student in the classroom. Who do you think might actually be the most dangerous person here?—besides me, of course."

Without even thinking, Harry turned to look at the Slytherin contingent.

"Draco, of the Noble and Most Ancient House of Malfoy," said Professor Quirrell. "It seems that many of your fellow pupils are looking in your direction. Come forth, if you would."

Draco did so, walking with a certain pride in his bearing. He stepped onto the dais and looked up at Professor Quirrell with a smile.

"Mr. Malfoy," Professor Quirrell said. "Fire."

Harry would have tried to stop it if there'd been time but in one smooth motion Draco spun on the Ravenclaw contingent and raised his wand and said "*Mahasu!*" like it was all one syllable and Hermione was saying "Ow!" and that was that.

"Well struck," said Professor Quirrell. "Two Quirrell points to you. But tell me, why did you target Miss Granger?"

There was a pause.

Finally Draco said, "Because she stood out the most."

Professor Quirrell's lips turned up in a thin smile. "And that is the true reason why Draco Malfoy is dangerous. Had he selected any other, that child would more likely resent being singled out, and Mr. Malfoy would more probably make an enemy. And while Mr. Malfoy might have given some other justification for selecting her, that would have served him no purpose save to alienate some of you, while others are already cheering him whether he says anything or not. Which is to say that Mr. Malfoy is dangerous because he knows who to strike and who not to strike, how to make allies and avoid making enemies. Two more Quirrell points to you, Mr. Malfoy. And as you have demonstrated an exemplary virtue of Slytherin, I think that Salazar's House has earned a point as well. You may rejoin your friends."

Draco bowed slightly and walked back to the Slytherin contingent. Some clapping started from the green-trimmed robes, but Professor Quirrell made a cutting gesture and silence fell again.

"It might seem that our game is done," said Professor Quirrell. "And yet there is a single student in this classroom who is more dangerous than the scion of Malfoy."

And *now* for some reason there seemed to be an awful lot of people looking at...

"Harry Potter. Come forth."

This did not bode well.

Harry reluctantly walked towards where Professor Quirrell stood on his raised dais, still leaning slightly against his teacher's desk.

The nervousness of being put into the spotlight seemed to be sharpening Harry's wits as he approached the dais, and his mind was ruffling through possibilities for what Professor Quirrell might think could demonstrate Harry's dangerousness. Would he be asked to cast a spell? To defeat a Dark Lord?

Demonstrate his supposed immunity to the Killing Curse? Surely Professor Quirrell was too smart for *that*...

Harry stopped well short of the dais, and Professor Quirrell didn't ask him to come any closer.

"The irony is," said Professor Quirrell, "you all looked at the right person for entirely the wrong reasons. You are thinking," Professor Quirrell's lips twisted, "that Harry Potter has defeated the Dark Lord, and so must be very dangerous. Bah. He was one year old. Whatever quirk of fate killed the Dark Lord likely had little to do with Mr. Potter's abilities as a fighter. But after I heard rumors of one Ravenclaw facing down five older Slytherins, I interviewed several eyewitnesses and came to the conclusion that Harry Potter would be my most dangerous student."

A jolt of adrenaline poured into Harry's system, making him stand up straighter. He didn't know what conclusion Professor Quirrell had come to, but that couldn't be good.

"Ah, Professor Quirrell—" Harry started to say.

Professor Quirrell looked amused. "You're thinking that I've come up with a wrong answer, aren't you, Mr. Potter? You will learn to expect better of *me*." Professor Quirrell straightened from where he had leaned on the desk. "Mr. Potter, all things have their accustomed uses. Give me ten unaccustomed uses of objects in this room for combat!"



For a moment Harry was rendered speechless by the sheer, raw shock of having been understood.

And then the ideas started to pour out.

"There are desks which are heavy enough to be fatal if dropped from a great height. There are chairs with metal legs that could impale someone if driven hard enough. The air in this classroom would be deadly by its absence, since people die in vacuum, and it can serve as a carrier for poison gases."

Harry had to stop briefly for breath, and into that pause Professor Quirrell said:

"That's three. You need ten. The rest of the class thinks that you've already used up the whole contents of the classroom."

"Ha! The floor can be removed to create a spike pit to fall into, the ceiling can be collapsed on someone, the walls can serve as raw material for Transfiguration into any number of deadly things—knives, say."

"That's six. But surely you're scraping the bottom of the barrel now?"

"I haven't even started! Just look at all the people! Having a Gryffindor attack the enemy is an *ordinary* use, of course—"

"I will not count that one."

"—but their blood can also be used to drown someone. Ravenclaws are known for their brains, but their internal organs could be sold on the black market for enough money to hire an assassin. Slytherins aren't just useful as assassins, they can also be thrown at sufficient velocity to crush an enemy. And Hufflepuffs, in addition to being hard workers, also contain bones that can be removed, sharpened, and used to stab someone."

By now the rest of the class was staring at Harry in some horror. Even the Slytherins looked shocked.

"That's ten, though I'm being generous in counting the Ravenclaw one. Now, for extra credit, one Quirrell point for each use of objects in this room which you have not yet named." Professor Quirrell favored Harry with a companionable smile. "The rest of your class thinks you are in trouble now, since you've named everything except the targets and you have no idea what may be done with those."

"Bah! I've named all the people, but not my robes, which can be used to suffocate an enemy if wrapped around their head enough times, or

Hermione Granger's robes, which can be torn into strips and tied into a rope and used to hang someone, or Draco Malfoy's robes, which can be used to start a fire—"

"Three points," said Professor Quirrell, "no more clothing now."

"My wand can be pushed into an enemy's brain through their eye socket" and someone made a horrified, strangling sound.

"Four points, no more wands."

"My wristwatch could suffocate someone if jammed down their throat—"

"Five points, and enough."

"Hmph," Harry said. "Ten Quirrell points to one House point, right? You should have let me keep going until I'd won the House Cup, I haven't even started yet on the unaccustomed uses of everything I've got in my pockets" or the mokeskin pouch itself and he couldn't talk about the Time-Turner or the invisibility cloak but there had to be *something* he could say about those red spheres...

"*Enough*, Mr. Potter. Well, do you all think you understand what makes Mr. Potter the most dangerous student in the classroom?"

There was a low murmur of assent.

"Say it out loud, please. Terry Boot, what makes your dorm-mate dangerous?"

"Ah... um... he's creative?"

"*Wrong!*" bellowed Professor Quirrell, and his fist came down sharply on his desk with an amplified sound that made everyone jump. "All of Mr. Potter's ideas were worse than useless!"

Harry started in surprise.

"Remove the floor to create a spike trap? Ridiculous! In combat you do not have that sort of preparation time and if you did there would be a hundred better uses! Transfigure material from the walls? Mr. Potter cannot perform Transfiguration! Mr. Potter had exactly one idea which he could use immediately, right now, without extensive preparation or a cooperative enemy or magic he does not know. That idea was to jam his wand through his enemy's eye socket. Which would be more likely to break his wand than kill his opponent! In short, Mr. Potter, I'm afraid that your proposals were uniformly awful."

"What?" Harry said indignantly. "You *asked* for unusual ideas, not practical ones! I was thinking outside the box! How would *you* use something in this classroom to kill someone?"

Professor Quirrell's expression was disapproving, but there were smile crinkles around his eyes. "Mr. Potter, I never said you were to *kill*. There is a time and a place for taking your enemy alive, and inside a Hogwarts classroom is usually one of those places. But to answer your question, hit them on the neck with the edge of a chair."

There was some laughter from the Slytherins, but they were laughing with Harry, not at him.

Everyone else was looking rather horrified.

"But Mr. Potter has now demonstrated why he is the most dangerous student in the classroom. I asked for unaccustomed uses of items in this room for combat. Mr. Potter could have suggested using a desk to block a curse, or using a chair to trip an oncoming enemy, or wrapping cloth around his arm to create an improvised shield. Instead, every single use that Mr. Potter named was offensive rather than defensive, and either fatal or potentially fatal."

What? Wait, that couldn't be true... Harry had a sudden sense of vertigo as he tried to remember what exactly he'd suggested, surely there had to be a counterexample...

"And that," Professor Quirrell said, "is why Mr. Potter's ideas were so strange and useless—because he had to reach far into the impractical in order to meet his standard of *killing the enemy*. To him, any idea which fell short of that was not worth considering. This reflects a quality that we might call *intent to kill*. I have it. Harry Potter has it, which is how he could stare down five older Slytherins. Draco Malfoy does not have it, not yet. Mr. Malfoy would hardly shrink from talk of ordinary murder, but even he was shocked—yes you were Mr. Malfoy, I was watching your face—when Mr. Potter described how to use his classmates' bodies as raw material. There are censors inside your mind which make you flinch away from thoughts like that. Mr. Potter thinks *purely* of killing the enemy, he will grasp at any means to do so, he does not flinch, his censors are off. Even though his youthful genius is so undisciplined and impractical as to be useless, his *intent to kill* makes Harry Potter the Most Dangerous

Student in the Classroom. One final point to him—no, let us make that a point to Ravenclaw—for this indispensable requisite of a true fighting wizard.”

Harry’s mouth gaped open in speechless shock as he searched frantically for something to say to this. *That is so completely not what I am about!*

But he could see that the other students were starting to believe it. Harry’s mind was flipping through possible denials and not finding anything that could stand up against the authoritative voice of Professor Quirrell. The best Harry had come up with was “I’m not a psychopath, I’m just very creative” and that sounded kind of ominous. He needed to say something unexpected, something that would make people stop and reconsider—

“And now,” Professor Quirrell said. “Mr. Potter. Fire.”

Nothing happened, of course.

“Ah, well,” said Professor Quirrell. He sighed. “I suppose we must all start somewhere. Mr. Potter, select any student you please for a Simple Strike Hex. You *will* do so before I dismiss your class for the day. If you do not, I will begin deducting House points, and I will keep on deducting them until you do.”

Harry carefully raised his wand. He had to do that much, or Professor Quirrell might start deducting House points right away.

Slowly, as though on a roasting platter, Harry turned to face the Slytherins.

And Harry’s eyes met Draco’s.

Draco Malfoy didn’t look the slightest bit afraid. The blonde-haired boy wasn’t giving any visible sign of assent such as Harry had given Hermione, but then he could hardly be expected to do so. The other Slytherins would think that rather odd.

“Why the hesitation?” said Professor Quirrell. “Surely there’s only one obvious choice.”

“Yes,” Harry said. “Only one *obvious* choice.”

Harry twisted the wand and said “*Ma-ha-su!*”

There was complete silence in the classroom.

Harry shook his left arm, trying to get rid of the lingering sting.

There was more silence.

Finally Professor Quirrell sighed. "Yes, quite ingenious, but there was a lesson to be taught and you dodged it. One point from Ravenclaw for showing off your own cleverness at the expense of the actual goal. Class dismissed."

And before anyone else could say anything, Harry sang out:

"Just kidding! RAVENCLAW!"

There was silence for a brief moment after that, a sound of people thinking, and then the murmurs started and rapidly rose to a roar of conversation.

Harry turned towards Professor Quirrell, the two of them needed to talk—

Quirrell had slumped over and was trudging back to his chair.

No. Not acceptable. They *really* needed to talk. Stuff the zombie act, Professor Quirrell would probably wake up if Harry poked him a couple of times. Harry started forward—

WRONG

DON'T

BAD IDEA

Harry swayed and stopped in his tracks, feeling dizzy.

And then a flock of Ravenclaws descended on him and the discussions began.



## CHAPTER SIXTEEN

# LOCATING THE HYPOTHESIS

Thursday.

If you wanted to be specific, 7:24am on Thursday morning.

Harry was sitting on his bed, a textbook lying limp in his motionless hands.

Harry had just had an idea for a *truly brilliant* experimental test.

It would mean waiting an extra hour for breakfast, but that was why he had cereal bars. No, this idea absolutely positively had to be tested right away, immediately, now.

Harry set the textbook aside, leapt out of bed, raced around his bed, yanked out the cavern level of his trunk, ran down the stairs, and started moving boxes of books around. (He really needed to unpack and get bookcases at some point but he was in the middle of his textbook reading contest with Hermione and falling behind so he hadn't had time.)

Harry found the book he wanted and raced back upstairs.

The other boys were getting ready to go down to breakfast in the Great Hall and start the day.

"Excuse me can you do something for me?" said Harry. He was flipping through the book's index as he spoke, found the page with the first ten thousand primes, flipped to that page, and thrust the book at Anthony Goldstein. "Pick two three-digit numbers from this list. Don't tell me what they are. Just multiply them together and tell me the product. Oh, and can you do the calculation twice to double-check? Please make really sure you've got the right answer, I'm not sure what's going to happen to me or the universe if you make a multiplication error."

It said a lot about what life in that dorm had been like over the past few days that Anthony didn't even bother saying anything like "Why'd you suddenly flip out?" or "That seems really weird, what are your reasons for asking?" or "What do you mean, you're not sure what's going to happen to the universe?"

Anthony wordlessly accepted the book and took out a parchment and quill. Harry spun around and shut his eyes, making sure not to see anything, dancing back and forth and bouncing up and down with impatience. He got a pad of paper and a mechanical pencil and got ready to write.

"Okay," Anthony said, "One hundred and eighty-one thousand, four hundred and twenty-nine."

Harry wrote down 181,429. He repeated what he'd just written down, and Anthony confirmed it.

Then Harry raced back down into the cavern level of his trunk, glanced at his watch (the watch said 4:28 which meant 7:28) and then shut his eyes.

Around thirty seconds later, Harry heard the sound of steps, followed by the sound of the cavern level of the trunk sliding shut. (Harry wasn't worried about suffocating. An automatic Air-Freshening Charm was part of what you got if you were willing to buy a really good trunk. Wasn't magic wonderful, it didn't have to worry about electric bills.)

And when Harry opened his eyes, he saw just what he'd been hoping to see, a folded piece of paper left on the floor, the gift of his future self.

Call that piece of paper "Paper-2".

Harry tore a piece of paper off his pad.

Call that "Paper-1". It was, of course, the same piece of paper. You could even see, if you looked closely, that the ragged edges matched.

Harry reviewed in his mind the algorithm that he would follow.

If Harry opened up Paper-2 and it was blank, then he would write " $101 \times 101$ " down on Paper-1, fold it up, study for an hour, go back in time, drop off Paper-1 (which would thereby become Paper-2), and head on up out of the cavern level to join his dorm mates for breakfast.

If Harry opened up Paper-2 and it had two numbers written on it, Harry would multiply those numbers together.



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## LOCATING THE HYPOTHESIS

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If their product equaled 181,429, Harry would write down those two numbers on Paper-1 and send Paper-1 back in time.

Otherwise Harry would add 2 to the number on the right and write down the new pair of numbers on Paper-1. Unless that made the number on the right greater than 997, in which case Harry would add 2 to the number on the left and write down 101 on the right.

And if Paper-2 said  $997 \times 997$ , Harry would leave Paper-1 blank.

Which meant that the only possible *stable* time loop was the one in which Paper-2 contained the two prime factors of 181,429.

If this worked, Harry could use it to recover any sort of answer that was easy to check but hard to find. He wouldn't have *just* shown that  $P = NP$  once you had a Time-Turner, this trick was *more general* than that. Harry could use it to find the combinations on combination locks, or passwords of every sort. Maybe even find the entrance to Slytherin's Chamber of Secrets, if Harry could figure out some systematic way of describing all the locations in Hogwarts. It would be an awesome cheat even by Harry's standards of cheating.

Harry took Paper-2 in his trembling hand, and unfolded it.

Paper-2 said in slightly shaky handwriting:

DO NOT MESS WITH TIME

Harry wrote down "DO NOT MESS WITH TIME" on Paper-1 in slightly shaky handwriting, folded it neatly, and resolved not to do any more truly brilliant experiments on Time until he was at least fifteen years old.

To the best of Harry's knowledge, that had been the scariest experimental result in the entire history of science.

It had been somewhat difficult for Harry to focus on reading his textbook for the next hour.

That was how Harry's Thursday started.

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Thursday.

If you wanted to be specific, 3:32pm on Thursday afternoon.

Harry and all the other boys in the first year were outside on a grassy field with Madam Hooch, standing next to the Hogwarts supply of broomsticks. The girls would be learning to fly separately. Apparently, for some reason, girls didn't want to learn how to fly on broomsticks in the presence of boys.

Harry had been a little wobbly all day long. He just couldn't seem to stop wondering how that *particular* stable time loop had been selected out of what was, in retrospect, a rather large space of possibilities.

Also: seriously, *broomsticks*? He was going to fly on, basically, a line segment? Wasn't that pretty much the single most unstable shape you could possibly find, short of attempting to hold on to a point marble? Who'd selected *that* design for a flying device, out of all the possibilities? Harry had been hoping that it was just a figure of speech, but no, they were standing in front of what looked for all the world like ordinary wooden kitchen broomsticks. Had someone just gotten stuck on the idea of broomsticks and failed to consider anything else? It had to be. There was no way that the *optimal* designs for cleaning kitchens and flying would happen to coincide if you worked them out from scratch.

It was a clear day with a bright blue sky and a brilliant sun that was just begging to get in your eyes and make it impossible to see, if you were trying to fly around the sky. The ground was nice and dry, smelling positively baked, and somehow felt very, very hard under Harry's shoes.

Harry kept reminding himself that the lowest common denominator of eleven-year-olds was expected to learn this and it couldn't be that hard.

"Stick out your right hand over the broom, or left hand if you're left-handed," called Madam Hooch. "And say, UP!"

"UP!" everyone shouted.

The broomstick leapt eagerly into Harry's hand.

Which put him at the head of the class, for once. Apparently saying "UP!" was a lot more difficult than it looked, and most of the broomsticks were rolling around on the ground or trying to inch away from their would-be riders.

(Of course Harry would have bet money that Hermione had done at least as well when it came her own turn to try, earlier in the day. There couldn't possibly be anything *he* could master on the first try which would

baffle Hermione, and if there *was* and it turned out to be *broomstick riding* instead of anything intellectual, Harry would just die.)

It took a while for everyone to get a broomstick in front of them. Madam Hooch showed them how to mount and then walked around the field, correcting grips and stances. Apparently even among the few children who'd been allowed to fly at home, they hadn't been taught to do it correctly.

Madam Hooch surveyed the field of boys, and nodded. "Now, when I blow my whistle, you kick off from the ground, hard."

Harry swallowed hard, trying to quell the queasy feeling in his stomach.

"Keep your brooms steady, rise a few feet, and then come straight back down by leaning forwards slightly. On my whistle—three—two—"

One of the brooms shot skyward, accompanied by a young boy's screams—of horror, not delight. The boy was spinning at an awful rate as he ascended, they only got glimpses of his white face—

As though in slow motion, Harry was leaping back off his own broomstick and scrabbling for his wand, though he didn't really know what he planned to do with it, he'd had exactly two sessions of Charms and the last one *had* been the Hover Charm but Harry had only been able to cast the spell successfully one time out of three and he certainly couldn't levitate whole people—

*If there is any hidden power in me, let it reveal itself NOW!*

"Come back, boy!" shouted Madam Hooch (which had to be the most unhelpful instruction imaginable for dealing with an out-of-control broomstick, from a *flying instructor*, and a fully automatic section of Harry's brain added Madam Hooch to his tally of fools).

And the boy was thrown off the broomstick.

He seemed to move very slowly through the air, at first.

"*Wingardium Leviosa!*" screamed Harry.

The spell failed. He could feel it fail.

There was a THUD and a distant cracking sound, and the boy lay face-down on the grass in a heap.

Harry sheathed his wand and raced forwards at full speed. He arrived at the boy's side at the same time as Madam Hooch, and Harry reached

into his pouch and tried to recall oh god what was the name never mind he'd just try "Healer's Pack!" and it popped up into his hand and—

"Broken wrist," Madam Hooch said. "Calm down, boy, he just has a broken wrist!"

There was a sort of mental lurch as Harry's mind snapped out of Panic Mode.

The Emergency Healing Pack Plus lay open in front of him, and there was a syringe of liquid fire in Harry's hand, which would have kept the boy's brain oxygenated if he'd managed to snap his neck.

"Ah..." Harry said in a rather wavering sort of voice. His heart was pounding so loudly that he almost couldn't hear himself panting for breath. "Broken bone... right... Setting String?"

"That's for emergencies only," snapped Madam Hooch. "Put it away, he's fine." She leaned over the boy, offering him a hand. "Come on, boy, it's all right, up you get!"

"You're not seriously going to make him ride the broomstick again?" Harry said in horror.

Madam Hooch sent Harry a glare. "Of course not!" She pulled the boy to his feet using his good arm—Harry saw with a shock that it was Neville Longbottom *again*, what was *with* him?—and she turned to all the watching children. "None of you is to move while I take this boy to the hospital wing! You leave those brooms where they are or you'll be out of Hogwarts before you can say 'Quidditch.' Come on, dear."

And Madam Hooch walked off with Neville, who was clutching his wrist and trying to control his sniffles.

When they were out of earshot, one of the Slytherins started giggling. That set off the others.

Harry turned and looked at them. It seemed like a good time to memorise some faces.

And Harry saw that Draco was strolling towards him, accompanied by Mr. Crabbe and Mr. Goyle. Mr. Crabbe wasn't smiling. Mr. Goyle decidedly was. Draco himself was wearing a very controlled face that twitched occasionally, from which Harry inferred that Draco thought it was hilarious but saw no political advantage to be gained by laughing about it now instead of in the Slytherin dungeons afterwards.

"Well, Potter," Draco said in a low voice that didn't carry, still with that very controlled face that was twitching occasionally, "Just wanted to say, when you take advantage of emergencies to demonstrate leadership, you want to look like you're in total control of the situation, rather than, say, going into a complete panic." Mr. Goyle giggled, and Draco shot him a quelling look. "But you probably scored a few points anyway. You need any help stowing that healer's kit?"

Harry turned to look at the Healing Pack, which got his own face turned away from Draco. "I think I'm fine," Harry said. He put the syringe back in its place, redid the latches, and stood up.

Ernie Macmillan arrived just as Harry was feeding the pack back into his moleskin pouch.

"Thank you, Harry Potter, on behalf of Hufflepuff," Ernie Macmillan said formally. "It was a good try and a good thought."

"A good thought indeed," drawled Draco. "Why didn't anyone in Hufflepuff have their wands out? Maybe if you'd *all* helped instead of just Potter, you could've caught him. I thought Hufflepuffs were supposed to stick together?"

Ernie looked like he was torn between getting angry and wanting to die of shame. "We didn't think of it in time—"

"Ah," said Draco, "didn't *think* of it, I guess that's why it's better to have one Ravenclaw as a friend than all of Hufflepuff."

Oh, hell, how was Harry supposed to juggle this one... "You're not helping," Harry said in a mild tone. Hoping Draco would interpret that as *you're interfering with my plans, please shut up*.

"Hey, what's this?" said Mr. Goyle. He stooped to the grass and picked up something around the size of a large marble, a glass ball that seemed to be filled with a swirling white mist.

Ernie blinked. "Neville's Remembrall!"

"What's a Remembrall?" asked Harry.

"It turns red if you've forgotten something," Ernie said. "It doesn't tell you what you forgot, though. Give it here, please, and I'll hand it back to Neville later." Ernie held out his hand.

A sudden grin flashed across Mr. Goyle's face and he spun around and raced away.

Ernie stood still for a moment in surprise, and then shouted "Hey!" and ran after Mr. Goyle.

And Mr. Goyle grabbed a broomstick, hopped on with one smooth motion and took to the air.

Harry's jaw dropped. Hadn't Madam Hooch said that would get him expelled?

"That idiot!" Draco hissed. He opened his mouth to shout—

"Hey!" shouted Ernie. "That's Neville's! Give it back!"

The Slytherins started cheering and hooting.

Draco's mouth snapped shut. Harry caught the sudden look of indecision on his face.

"Draco," Harry said in a low tone, "if you don't order that idiot back on the ground, the teacher's going to get back and—"

"Come and get it, Hufflepuff!" shouted Mr. Goyle, and a great cheer went up from the Slytherins.

"I can't!" whispered Draco. "Everyone in Slytherin would think I'm weak!"

"And if Mr. Goyle gets expelled," hissed Harry, "your *father* is going to think you're a *moron*!"

Draco's face twisted in agony.

At that moment—

"Hey, *Slytherslime*," shouted Ernie, "didn't anyone ever tell you that Hufflepuffs stick together? *Wands out, Hufflepuff!*"

And there were suddenly a whole lot of wands pointed in Mr. Goyle's direction.

Three seconds later—

"*Wands out, Slytherin!*" said around five different Slytherins.

And there were a whole lot of wands pointed in Hufflepuff's direction.

Two seconds later—

"*Wands out, Gryffindor!*"

"Do something, Potter!" whispered Draco. "I can't be the one to stop this it has to be you! I'll owe you a favour just think of something aren't you supposed to be brilliant?"

In around five and a half seconds, realised Harry, someone was going to cast the Sumerian Simple Strike Hex and by the time it was over

and the teachers were done expelling people the only boys left in his year would be Ravenclaws.

"Wands out, Ravenclaw!" shouted Michael Corner who was apparently feeling left out of the disaster.

"GREGORY GOYLE!" screamed Harry. "*I challenge you to a contest for possession of Neville's Remembrall!*"

There was a sudden pause.

"Oh, really?" said Draco in the loudest drawl Harry had ever heard. "That sounds interesting. What sort of contest, Potter?"

Er...

"Contest" had been as far as Harry's inspiration had gotten. What sort of contest, he couldn't say "chess" because Draco wouldn't be able to accept without it looking strange, he couldn't say "arm-wrestling" because Mr. Goyle would crush him—

"How about this?" Harry said loudly. "Gregory Goyle and I stand apart from each other, and no one else is allowed to come near either of us. We don't use our wands and neither does anyone else. I don't move from where I'm standing, and neither does he. And if I can get my hands on Neville's Remembrall, then Gregory Goyle relinquishes all claim to that Remembrall he's holding and gives it to me."

There was another pause as people's looks of relief transmuted to confusion.

"Hah, Potter!" said Draco loudly. "I'd like to see you do *that!* Mr. Goyle accepts!"

"It's on!" said Harry.

"Potter, *what?*" whispered Draco, which he somehow did without moving his lips.

Harry didn't know how to answer without moving his.

People were putting their wands away, and Mr. Goyle swooped gracefully to the ground, looking rather confused. Some Hufflepuffs started over towards Mr. Goyle, but Harry shot them a desperately pleading look and they backed off.

Harry walked toward Mr. Goyle and stopped when he was a few paces away, far enough apart that they couldn't reach each other.

Slowly, deliberately, Harry sheathed his wand.

Everyone else backed away.

Harry swallowed. He knew in broad outline what he *wanted* to do, but it had to be done in such a way that no one understood *what* he'd done—

"All right," Harry said loudly. "And now..." He took a deep breath and raised one hand, fingers ready to snap. There were gasps from anyone who'd heard about the pies, which was practically everyone. "*I call upon the insanity of Hogwarts! Happy happy boom boom swamp swamp swamp!*" And Harry snapped his fingers.

A lot of people flinched.

And nothing happened.

Harry let the silence stretch on for a while, developing, until...

"Um," someone said. "Is that it?"

Harry looked at the boy who'd spoken. "Look in front of you. You see that patch of ground that looks barren, without any grass on it?"

"Um, yeah," said the boy, a Gryffindor (Dean something?).

"Dig it up."

Now Harry was getting a lot of strange looks.

"Er, why?" said Dean something.

"Just do it," said Terry Boot in a weary voice. "No point asking why, trust me on this one."

Dean something knelt down and began to scoop away dirt.

After a minute or so, Dean stood up again. "There's nothing there," Dean said.

Huh. Harry had been planning to go back in time and bury a treasure map that would lead to another treasure map that would lead to Neville's Remembrall which he would put there after getting it back from Mr. Goyle...

Then Harry realised there was a much simpler way which didn't threaten the secret of Time-Turners quite as much.

"Thanks, Dean!" Harry said loudly. "Ernie, would you look around on the ground where Neville fell and see if you can find Neville's Remembrall?"

People looked even more confused.

"Just do it," said Terry Boot. "He'll keep trying until something works, and the scary thing is that—"



"Merlin!" gasped Ernie. He was holding up Neville's Remembrall. "It's *here!* Right where he fell!"

"What?" cried Mr. Goyle. He looked down and saw...

...that he was still holding Neville's Remembrall.

There was a rather long pause.

"Er," said Dean something, "that's not possible, is it?"

"It's a plot hole," said Harry. "I made myself weird enough to distract the universe for a moment and it forgot that Goyle had already picked up the Remembrall."

"No, wait, I mean, that's *totally* not possible—"

"Excuse me, are we all standing around here waiting to go flying on broomsticks? Yes we are. So shut up. Anyway, once I get my hands on Neville's Remembrall, the contest is over and Gregory Goyle has to relinquish all claim to the Remembrall he's holding and give it to me. Those were the terms, remember?" Harry stretched out a hand and beckoned Ernie. "Just roll it over here, since no one's supposed to get close to me, okay?"

"Hold on!" shouted a Slytherin—Blaise Zabini, Harry wasn't likely to forget that name. "How do we know that's Neville's Remembrall? You could've just dropped *another* Remembrall there—"

"The Slytherin is strong with this one," Harry said, smiling. "But you have my word that the one Ernie's holding is Neville's. No comment about the one Gregory Goyle's holding."

Zabini spun to Draco. "*Malfoy!* You're not just going to let him get away with that—"

"Shut up, you," rumbled Mr. Crabbe, standing behind Draco. "Mr. Malfoy doesn't need *you* to tell him what to do!"

*Good* minion.

"My bet was with Draco, of the Noble and Most Ancient House of Malfoy," Harry said. "Not with you, Zabini. I have done what Mr. Malfoy said he'd like to see me do, and as for the judgment of the bet, I leave that up to Mr. Malfoy." Harry inclined his head towards Draco and raised his eyebrows slightly. That ought to allow Draco to save enough face.

There was a pause.

"You promise that actually *is* Neville's Remembrall?" Draco said.

"Yes," Harry said. "That's the one that'll go back to Neville and it was his originally. And the one Gregory Goyle's holding goes to me."

Draco nodded, looking decisive. "I won't question the word of the Noble House of Potter, then, no matter how strange that all was. And the Noble and Most Ancient House of Malfoy keeps its word as well. Mr. Goyle, give that to Mr. Potter—"

"Hey!" Zabini said. "He hasn't won *yet*, he hasn't got his hands on—"

"Catch, Harry!" said Ernie, and he tossed the Remembrall.

Harry easily snapped the Remembrall out of the air, he'd always had good reflexes that way. "There," said Harry, "I win..."

Harry trailed off. All conversation stopped.

The Remembrall was glowing bright red in his hand, blazing like a miniature sun that cast shadows on the ground in broad daylight.

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Thursday.

If you wanted to be specific, 5:09pm on Thursday afternoon, in Professor McGonagall's office, after flying classes. (With an extra hour for Harry slipped in between.)

Professor McGonagall sitting on her stool. Harry in the hot seat in front of her desk.

"Professor," Harry said tightly, "Slytherin was pointing their wands at Hufflepuff, Gryffindor was pointing their wands at Slytherin, some *idiot* called wands out in Ravenclaw, and I had maybe five seconds to keep the whole thing from blowing sky-high! It was all I could think of!"

Professor McGonagall's face was pinched and angry. "*You are not to use the Time-Turner in that fashion, Mr. Potter!* Is the concept of secrecy not something that you understand?"

"They don't *know* how I did it! They just think I can do really weird things by snapping my fingers! I've done other weird stuff that can't be done with Time-Turners even, and I'll do *more* stuff like that, and *this* case won't even stand out! I *had to do it*, Professor!"

"You did *not* have to do it!" snapped Professor McGonagall. "All you needed to do was get this *anonymous Slytherin* back on the ground and the wands put away! You could have challenged him to a game of Exploding Snap but no, you had to use the Time-Turner in a flagrant and unnecessary manner!"

"It was all I could think of! I don't even know what Exploding Snap is, they wouldn't have accepted a game of chess and if I'd picked arm-wrestling I would have lost!"

"Then you should have picked wrestling!"

Harry blinked. "But then I'd have lost—"

Harry stopped.

Professor McGonagall was looking very angry.

"I'm sorry, Professor McGonagall," Harry said in a small voice. "I honestly didn't think of that, and you're right, I should have, it would have been brilliant if I had, but I just didn't think of that at all..."

Harry's voice trailed off. It was suddenly apparent to him that he'd had a *lot* of other options. He could have asked *Draco* to suggest something, he could have asked the crowd... his use of the Time-Turner *had* been flagrant and unnecessary. There had been a giant space of possibilities, why had he picked *that* one?

Because he'd seen a way to *win*. Win possession of an unimportant trinket that the teachers would've taken back from Mr. Goyle anyway.

Intent to win. That was what had gotten him.

"I'm sorry," Harry said again. "For my pride and my stupidity."

Professor McGonagall wiped a hand across her forehead. Some of her anger seemed to dissipate. But her voice still came out very hard. "One more display like that, Mr. Potter, and you will be returning that Time-Turner. Do I make myself very clear?"

"Yes," Harry said. "I understand and I'm sorry."

"Then, Mr. Potter, you will be allowed to retain the Time-Turner for now. And considering the size of the debacle you did, in fact, avert, I will not deduct any points from Ravenclaw."

*Plus you couldn't explain why you'd deducted the points.* But Harry wasn't dumb enough to say that out loud.

"More importantly, why did the Remembrall go off like that?" Harry said. "Does it mean I've been Obliviated?"

"That puzzles me as well," Professor McGonagall said slowly. "If it were that simple, I would think that the courts would use Remembralls, and they do not. I shall look into it, Mr. Potter." She sighed. "You can go now."

Harry started to get up from his chair, then halted. "Um, sorry, I did have something else I wanted to tell you—"

You could hardly see the flinch. "What is it, Mr. Potter?"

"It's about Professor Quirrell—"

"I'm sure, Mr. Potter, that it is nothing of importance." Professor McGonagall spoke the words in a great rush. "Surely you heard the Headmaster tell the students that you were not to bother us with any unimportant complaints about the Defence Professor?"

Harry was rather confused. "But this could *be* important, yesterday I got this sudden sense of doom when—"

"Mr. Potter! I have a sense of doom as well! And my sense of doom is suggesting that *you must not finish that sentence!*"

Harry's mouth gaped open. Professor McGonagall had succeeded; Harry was speechless.

"Mr. Potter," said Professor McGonagall, "if you have discovered anything that seems interesting about Professor Quirrell, please feel free not to share it with me or anyone else. Now I think you've taken up enough of my valuable time—"

"*This isn't like you!*" Harry burst out. "I'm sorry but that just seems *unbelievably* irresponsible! From what I've heard there's some kind of jinx on the Defence position, and if you already *know* something's going to go wrong, I'd think you'd all be on your toes—"

"Go *wrong*, Mr. Potter? *I certainly hope not.*" Professor McGonagall's face was expressionless. "After Professor Blake was caught in a closet with no fewer than three fifth-year Slytherins last February, and a year before that, Professor Summers failed so completely as an educator that her students thought a boggart was a kind of furniture, it would be *catastrophic* if some problem with the extraordinarily competent Professor

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## LOCATING THE HYPOTHESIS

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Quirrell came to my attention now, and I daresay most of our students would fail their Defence O.W.L.s and N.E.W.T.s.”

“I see,” Harry said slowly, taking it all in. “So in other words, whatever’s wrong with Professor Quirrell, you desperately don’t want to know about it until the end of the school year. And since it’s currently September, he could assassinate the Prime Minister on live television and get away with it so far as you’re concerned.”

Professor McGonagall gazed at him unblinkingly. “I am certain that I could never be heard endorsing such a statement, Mr. Potter. At Hogwarts we strive to be proactive with respect to *anything* that threatens the educational attainment of our students.”

*Such as first-year Ravenclaws who can’t keep their mouths shut.* “I believe I understand you completely, Professor McGonagall.”

“Oh, I doubt that, Mr. Potter. I doubt that very much.” Professor McGonagall leaned forward, her face tightening again. “Since you and I have already discussed matters far more sensitive than these, I shall speak frankly. You, and you alone, have reported this mysterious sense of doom. You, and you alone, are a chaos magnet the likes of which I have never seen. After our little shopping trip to Diagon Alley, and *then* the Sorting Hat, and then *today’s* little episode, I can well foresee that I am fated to sit in the Headmaster’s office and hear some hilarious tale about Professor Quirrell in which you and you alone play a starring role, after which there will be no choice but to fire him. I am already resigned to it, Mr. Potter. And if this sad event takes place any earlier than the Ides of May, I will string you up by the gates of Hogwarts with your own intestines and pour fire beetles into your nose. Now do you understand me completely?”

Harry nodded, his eyes very wide. Then, after a second, “What do I get if I can make it happen on the last day of the school year?”

“Get out of my office!”

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Thursday.

There must have been something about Thursdays in Hogwarts.

It was 5:32pm on Thursday afternoon, and Harry was standing next to Professor Flitwick, in front of the great stone gargoyle that guarded the entrance to the Headmaster's office.

No sooner had he made it back from Professor McGonagall's office to the Ravenclaw study rooms than one of the students told him to report to Professor Flitwick's office, and there Harry had learned that Dumbledore wanted to speak to him.

Harry, feeling rather apprehensive, had asked Professor Flitwick if the Headmaster had said what this was about.

Professor Flitwick had shrugged in a helpless sort of way.

Apparently Dumbledore had said that Harry was far too young to invoke the words of power and madness.

*Happy happy boom boom swamp swamp swamp?* Harry had thought but not said aloud.

"Please don't worry too much, Mr. Potter," squeaked Professor Flitwick from somewhere around Harry's shoulder level. (Harry was grateful for Professor Flitwick's gigantic puffy beard, it was hard getting used to a Professor who was not only shorter than him but spoke in a higher-pitched voice.) "Headmaster Dumbledore may seem a little odd, or a lot odd, or even extremely odd, but he has never hurt a student in the slightest, and I don't believe he ever will." Professor Flitwick gave Harry an encouraging smile. "Just keep that in mind at all times and you'll be sure not to panic!"

This was not helping.

"Good luck!" squeaked Professor Flitwick, and leaned over to the gargoyle and said something that Harry somehow failed to hear at all. (Of course, the password wouldn't be much good if you could hear someone saying it.) And the stone gargoyle walked aside with a very natural and ordinary movement that Harry found rather shocking, since the gargoyle still looked like solid, immovable stone the whole time.

Behind the gargoyle was a set of slowly revolving spiral stairs. There was something disturbingly hypnotic about it, and even more disturbing was that *revolving* the spiral ought not to take you anywhere.

"Up you go!" squeaked Flitwick.

Harry rather nervously stepped onto the spiral, and found himself, for some reason that his brain couldn't seem to visualise at all, moving upwards.

The gargoyle thudded back into place behind him, and the spiral stairs kept turning and Harry kept being higher up, and after a rather dizzying time, Harry found himself in front of an oak door with a brass griffin knocker.

Harry reached out and turned the doorknob.

The door swung open.

And Harry saw the most interesting room he'd ever seen in his life.

There were tiny metal mechanisms that whirred or ticked or slowly changed shape or emitted little puffs of smoke. There were dozens of mysterious fluids in dozens of oddly shaped containers, all bubbling, boiling, oozing, changing color, or forming into interesting shapes that vanished half a second after you saw them. There were things that looked like clocks with many hands, inscribed with numbers or in unrecognisable languages. There was a bracelet bearing a lenticular crystal that sparkled with a thousand colors, and a bird perched atop a golden platform, and a wooden cup filled with what looked like blood, and a statue of a falcon encrusted in black enamel. The wall was all hung with pictures of people sleeping, and the Sorting Hat was casually poised on a hatrack that was also holding two umbrellas and three red slippers for left feet.

In the midst of all the chaos was a clean black oaken desk. Before the desk was an oaken stool. And behind the desk was a well-cushioned throne containing Albus Percival Wulfric Brian Dumbledore, who was adorned with a long silver beard, a hat like a squashed giant mushroom, and what looked to Muggle eyes like three layers of bright pink pyjamas.

Dumbledore was smiling, and his bright eyes twinkled with a mad intensity.

With some trepidation, Harry seated himself in front of the desk. The door swung shut behind him with a loud *thunk*.

"Hello, Harry," said Dumbledore.

"Hello, Headmaster," Harry replied. So they were on a first-name basis? Would Dumbledore now say to call him—

"Please, Harry!" said Dumbledore. "Headmaster sounds so formal. Just call me Heh for short."

"I'll be sure to, Heh," said Harry.

There was a slight pause.

"Do you know," said Dumbledore, "you're the first person who's ever taken me up on that?"

"Ah..." Harry said. He tried to control his voice despite the sudden sinking feeling in his stomach. "I'm sorry, I, ah, Headmaster, you told me to do it so I did—"

"Heh, please!" said Dumbledore cheerfully. "And there's no call to be so worried, I won't launch you out a window just because you make one mistake. I'll give you plenty of warnings first, if you're doing something wrong! Besides, what matters isn't how people talk to you, it's what they think of you."

*He's never hurt a student, just keep remembering that and you'll be sure not to panic.*

Dumbledore drew forth a small metal case and flipped it open, showing some small yellow lumps. "Sherbet lemon?" said the Headmaster.

"Er, no thank you, Heh," said Harry. *Does slipping a student LSD count as hurting them, or does that fall into the category of harmless fun?* "You, um, said something about my being too young to invoke the words of power and madness?"

"That you most certainly are!" Dumbledore said. "Thankfully the Words of Power and Madness were lost seven centuries ago and no one has the slightest idea what they are anymore. It was just a little remark."

"Ah..." Harry said. He was aware that his mouth was hanging open. "Why did you call me here, then?"

"Why?" Dumbledore repeated. "Ah, Harry, if I went around all day asking *why* I do things, I'd never have time to get a single thing done! I'm quite a busy person, you know."

Harry nodded, smiling. "Yes, it was a very impressive list. Headmaster of Hogwarts, Chief Warlock of the Wizengamot, and Supreme Mugwump of the International Confederation of Wizards. Sorry to ask but I was wondering, is it possible to get more than six hours if you use more



than one Time-Turner? Because it's pretty impressive if you're doing all that on just thirty hours a day."

There was another slight pause, during which Harry went on smiling. He was a little apprehensive, actually a lot apprehensive, but once it had become clear that Dumbledore was deliberately messing with him, something within him *absolutely refused* to sit and take it like a defenceless lump.

"I'm afraid Time doesn't like being stretched out too much," said Dumbledore after the slight pause, "and yet we ourselves seem to be a little too large for it, and so it's a constant struggle to fit our lives into Time."

"Indeed," Harry said with grave solemnity. "That's why it's best to come to our points quickly."

For a moment Harry wondered if he'd gone too far.

Then Dumbledore chuckled. "Straight to the point it shall be." The Headmaster leaned forwards, tilting his squashed mushroom hat and brushing his beard against his desk. "Harry, this Monday you did something that should have been impossible even with a Time-Turner. Or rather, impossible with *only* a Time-Turner. Where did those two pies come from, I wonder?"

A jolt of adrenaline shot through Harry. He'd done that using the Cloak of Invisibility, the one that had been given him in a Christmas box along with a note, and that note had said: *If Dumbledore saw a chance to possess one of the Deathly Hallows he would never let it escape his grasp....*

"A natural thought," Dumbledore went on, "is that since none of the first-years present were able to cast such a spell, someone else was present, and yet unseen. And if no one could see them, why, it would be easy enough for them to throw the pies. One might further suspect that since you had a Time-Turner, you were the invisible one; and that since the spell of Disillusionment is far beyond your current abilities, you had an invisibility cloak." Dumbledore smiled conspiratorially. "Am I on the right track so far, Harry?"

Harry was frozen. He had the feeling that an outright lie would not at all be wise, and possibly not the least bit helpful, and he couldn't think of anything else to say.

Dumbledore waved a friendly hand. "Don't worry, Harry, you haven't done anything wrong. Invisibility cloaks aren't against the rules—I suppose they're rare enough that no one ever got around to putting them on the list. But really I was wondering something else entirely."

"Oh?" Harry said in the most normal voice he could manage.

Dumbledore's eyes shone with enthusiasm. "You see, Harry, after you've been through a few adventures you tend to catch the hang of these things. You start to see the pattern, hear the rhythm of the world. You begin to harbour suspicions *before* the moment of revelation. You are the Boy-Who-Lived, and somehow an invisibility cloak made its way into your hands only four days after you discovered our magical Britain. Such cloaks are not for sale in Diagon Alley, but there is *one* which might find its own way to a destined wearer. And so I cannot help but wonder if by some strange chance you have found not just *an* invisibility cloak, but *the* Cloak of Invisibility, one of the three Deathly Hallows and reputed to hide the wearer from the gaze of Death himself." Dumbledore's gaze was bright and eager. "May I see it, Harry?"

Harry swallowed. There was a full flood of adrenaline in his system now and it was entirely useless, this was the most powerful wizard in the world and there was no way he could make it out the door and there was nowhere in Hogwarts for him to hide if he did, he was about to lose the Cloak that had been passed down through the Potters for who knew how long—

Slowly Dumbledore leaned back into his high chair. The bright light had gone out of his eyes, and he looked puzzled and a little sorrowful. "Harry," said Dumbledore, "if you don't want to, you can just say no."

"I can?" Harry croaked.

"Yes, Harry," said Dumbledore. His voice sounded sad now, and worried. "It seems that you're afraid of me, Harry. May I ask what I've done to earn your distrust?"

Harry swallowed. "Is there some way you can swear a binding magical oath that you won't take my cloak?"

Dumbledore shook his head slowly. "Unbreakable Vows are not to be used so lightly. And besides, Harry, if you did not already know the spell, you would have only my word that the spell was binding. Yet surely you

realise that I do not *need* your permission to see the Cloak. I am powerful enough to draw it forth myself, makeskin pouch or no." Dumbledore's face was very grave. "But this I will not do. The Cloak is yours, Harry. I will not seize it from you. Not even to look at for just a moment, unless you decide to show it to me. That is a promise and an oath. Should I need to prohibit you from using it on the school grounds, I will require you to go to your vault at Gringotts and store it there."

"Ah..." Harry said. He swallowed hard, trying to calm the flood of adrenaline and think reasonably. He took the makeskin pouch off his belt. "If you really *don't* need my permission... then you have it." Harry held out the pouch to Dumbledore, and bit down hard on his lip, sending that signal to himself in case he was Obliviated afterwards.

The old wizard reached into the pouch, and without saying any word of retrieval, drew forth the Cloak of Invisibility.

"Ah," breathed Dumbledore. "I was right..." He poured the shimmering black velvet mesh through his hand. "Centuries old, and still as perfect as the day it was made. We have lost much of our art over the years, and now I cannot make such a thing myself, no one can. I can feel the power of it like an echo in my mind, like a song forever being sung without anyone to hear it..." The wizard looked up from the Cloak. "Do not sell it," he said, "do not give it to anyone as a possession. Think twice before you show it to anyone, and ponder three times again before you reveal it is a Deathly Hallow. Treat it with respect, for this is indeed a Thing of Power."

For a moment Dumbledore's face grew wistful...

...and then he handed the Cloak back to Harry.

Harry put it back in his pouch.

Dumbledore's face was grave once more. "May I ask again, Harry, how you came to distrust me so?"

Suddenly Harry felt rather ashamed.

"There was a note with the Cloak," Harry said in a small voice. "It said that you would try to take the Cloak from me, if you knew. I don't know who left the note, though, I really don't."

"I... see," Dumbledore said slowly. "Well, Harry, I won't impugn the motives of whoever left you that note. Who knows but that they them-

selves may have had the best of good intentions? They did give you the Cloak, after all."

Harry nodded, impressed by Dumbledore's charity, and abashed at the sharp contrast with his own attitude.

The old wizard went on. "But you and I are both gamepieces of the same color, I think. The boy who finally defeated Voldemort, and the old man who held him off long enough for you to save the day. I will not hold your caution against you, Harry, we must all do our best to be wise. I will only ask that you think twice and ponder three times again, the next time someone tells you to distrust me."

"I'm sorry," Harry said. He felt wretched at this point, he'd just told off Gandalf essentially, and Dumbledore's kindness was only making him feel worse. "I shouldn't have distrusted you."

"Alas, Harry, in this world..." The old wizard shook his head. "I cannot even say you were unwise. You did not know me. And in truth there are some at Hogwarts who you would do well not to trust. Perhaps even some you call friends."

Harry swallowed. That sounded rather ominous. "Like who?"

Dumbledore stood up from his chair, and began examining one of his instruments, a dial with eight hands of varying length.

After a few moments, the old wizard spoke again. "He probably seems to you quite charming," said Dumbledore. "Polite—to you at least. Well-spoken, maybe even admiring. Always ready with a helping hand, a favour, a word of advice—"

"Oh, *Draco Malfoy!*" Harry said, feeling rather relieved that it wasn't Hermione or something. "Oh no, no no no, you've got it all wrong, he's not turning me, I'm turning him."

Dumbledore froze where he was peering at the dial. "You're *what?*"

"I'm going to turn Draco Malfoy from the Dark Side," Harry said. "You know, make him a good guy."

Dumbledore straightened and turned to Harry. He was wearing one of the most astonished expressions Harry had ever seen on anyone, let alone someone with a long silver beard. "Are you certain," said the old wizard after a moment, "that he is ready to be redeemed? I fear that what-

ever goodness you think you see within him is only wishful thinking—or worse, a lure, a bait—”

“Er, not likely,” Harry said. “I mean if he’s trying to disguise himself as a good guy he’s incredibly bad at it. This isn’t a question of Draco coming up to me and being all charming and me deciding that he must have a hidden core of goodness deep down. I selected him for redemption specifically because he’s the heir to House Malfoy and if you had to pick one person to redeem, it would obviously be him.”

Dumbledore’s left eye twitched. “You intend to sow seeds of love and kindness in Draco Malfoy’s heart because you expect Malfoy’s heir to prove valuable to you?”

“Not just to *me*!” Harry said indignantly. “To all of magical Britain, if this works out! *And* he’ll have a happier and mentally healthier life himself! Look, I don’t have enough time to turn *everyone* away from the Dark Side and I’ve got to ask where the Light can gain the most advantage the fastest—”

Dumbledore started laughing. Laughing a lot harder than Harry would expect, almost howling. It seemed positively *undignified*. An ancient and powerful wizard ought to chuckle in deep booming tones, not laugh so hard he was gasping for breath. Harry had once literally fallen out of his chair while watching the Marx Brothers movie *Duck Soup*, and that was how hard Dumbledore was laughing now.

“It’s not *that* funny,” Harry said after a while. He was starting to worry about Dumbledore’s sanity again.

Dumbledore got himself under control again with a visible effort. “Ah, Harry, one symptom of the disease called wisdom is that you begin laughing at things that no one else thinks is funny, because when you’re wise, Harry, you start getting the jokes!” The old wizard wiped tears away from his eyes. “Ah, me. Ah, me. Oft evil will shall evil mar indeed, in very deed.”

Harry’s brain took a moment to place the familiar words... “Hey, that’s a Tolkien quote! *Gandalf* says that!”

“Theoden, actually,” said Dumbledore.

“You’re *Muggleborn*?” Harry said in shock.

“I’m afraid not,” said Dumbledore, smiling again. “I was born seventy years before that book was published, dear child. But it seems that my

Muggleborn students tend to think alike in certain ways. I have accumulated no fewer than twenty copies of *The Lord of the Rings* and three sets of Tolkien's entire collected works, and I treasure every one of them." Dumbledore drew his wand and held it up and struck a pose. "*You cannot pass!* How does that look?"

"Ah," Harry said in something approaching complete brain shutdown, "I think you're missing a Balrog." And the pink pyjamas and squashed mushroom hat were not helping in the slightest.

"I see." Dumbledore sighed and glumly sheathed the wand in his belt. "I fear there have been precious few Balrogs in my life of late. Nowadays it's all meetings of the Wizengamot where I must try desperately to prevent any work from getting done, and formal dinners where foreign politicians compete to see who can be the most obstinate fool. And being mysterious at people, knowing things I have no way of knowing, making cryptic statements which can only be understood in hindsight, and all the other small ways in which powerful wizards amuse themselves after they have left the part of the pattern that allows them to be heroes. Speaking of which, Harry, I have a certain something to give you, something which belonged to your father."

"You do?" said Harry. "Gosh, who would have figured."

"Yes indeed," said Dumbledore. "I suppose it is a little predictable, isn't it?" His face turned solemn. "Nonetheless..."

Dumbledore went back to his desk and sat down, pulling out one of the drawers as he did so. He reached in using both arms, and, straining slightly, pulled a rather large and heavy-looking object out of the drawer, which he then deposited on his oaken desk with a huge thunk.

"This," Dumbledore said, "was your father's rock."

Harry stared at it. It was light gray, discolored, irregularly shaped, sharp-edged, and very much a plain old ordinary large rock. Dumbledore had deposited it so that it rested on the widest available cross-section, but it still wobbled unstably on his desk.

Harry looked up. "This is a joke, right?"

"It is not," said Dumbledore, shaking his head and looking very serious. "I took this from the ruins of James and Lily's home in Godric's

Hollow, where also I found you; and I have kept it from then until now, against the day when I could give it to you.”

In the mixture of hypotheses that served as Harry’s model of the world, Dumbledore’s insanity was rapidly rising in probability. But there *was* still a substantial amount of probability allocated to other alternatives... “Um, is it a *magical* rock?”

“Not so far as I know,” said Dumbledore. “But I advise you with the greatest possible stringency to keep it close about your person at all times.”

All right. Dumbledore was *probably* insane but if he *wasn’t*... well, it would be just too *embarrassing* to get in trouble from ignoring the advice of the inscrutable old wizard. That had to be like #4 on the list of the Top 100 Obvious Failure Modes.

Harry stepped forward and put his hands on the rock, trying to find some angle from which to lift it without cutting himself. “I’ll put it in my pouch, then.”

Dumbledore frowned. “That may not be close enough to your person. And what if your mokeskin pouch is lost, or stolen?”

“You think I should just carry a big rock everywhere I go?”

Dumbledore gave Harry a serious look. “That might prove wise.”

“Ah...” Harry said. It looked rather heavy. “I’d think the other students would tend to ask me questions about that.”

“Tell them I ordered you to do it,” said Dumbledore. “No one will question that, since they all think I’m insane.” His face was still perfectly serious.

“Er, to be honest if you go around ordering your students to carry large rocks I can kind of see why people would think that.”

“Ah, Harry,” said Dumbledore. The old wizard gestured, a sweep of one hand that seemed to take in all the mysterious instruments around the room. “When we are young we believe that we know everything, and so we believe that if we see no explanation for something, then no explanation exists. When we are older we realise that the whole universe works by a rhythm and a reason, even if we ourselves do not know it. It is only our own ignorance which appears to us as insanity.”

“Reality is always lawful,” said Harry, “even if we don’t know the law.”

"Precisely, Harry," said Dumbledore. "To understand this—and I see that you *do* understand it—is the essence of wisdom."

"So... *why* do I have to carry this rock exactly?"

"I can't think of a reason, actually," said Dumbledore.

"...you can't."

Dumbledore nodded. "But just because I can't think of a reason doesn't mean there is no reason."

The instruments ticked on.

"Okay," said Harry, "I'm not even sure if I should be saying this, but that is simply not the correct way to deal with our admitted ignorance of how the universe works."

"It isn't?" said the old wizard, looking surprised and disappointed.

Harry had the feeling this conversation was not going to work out in his favour, but he carried on regardless. "No. I don't even know if that fallacy has an official name, but if I had to make one up myself, it would be 'privileging the hypothesis' or something like that. How can I put this formally... um... suppose you had a million boxes, and only one of the boxes contained a diamond. And you had a box full of diamond-detectors, and each diamond-detector always went off in the presence of a diamond, and went off half the time on boxes that didn't have a diamond. If you ran twenty detectors over all the boxes, you'd have, on average, one false candidate and one true candidate left. And then it would just take one or two more detectors before you were left with the one true candidate. The point being that when there are lots of possible answers, *most* of the evidence you need goes into just *locating* the true hypothesis out of millions of possibilities—bringing it to your attention in the first place. The amount of evidence you need to judge between two or three plausible candidates is much smaller by comparison. So if you just jump ahead without evidence and promote one particular possibility to the focus of your attention, you're skipping over most of the work. Like, you live in a city where there are a million people, and there's a murder, and a detective says, well, we've got no evidence at all, so have we considered the possibility that Mortimer Snodgrass did it?"

"Did he?" said Dumbledore.



"No," said Harry. "But later it turns out that the murderer had black hair, and Mortimer has black hair, so everyone's like, ah, looks like Mortimer did it after all. So it's unfair to Mortimer for the police to *promote him to their attention* without having good reasons already in hand to suspect him. When there are lots of possibilities, most of the work goes into just *locating* the true answer—starting to pay attention to it. You don't need *proof*, or the sort of official evidence that scientists or courts demand, but you need some sort of *hint*, and that hint has to discriminate that particular possibility from the millions of others. Otherwise you can't just pluck the right answer out of thin air. You can't even pluck a possibility worth thinking about out of thin air. And there's got to be a million other things I could do besides carrying around my father's rock. Just because I'm ignorant about the universe doesn't mean that I'm unsure about how I should reason in the presence of my uncertainty. The laws for thinking with probabilities are no less iron than the laws that govern old-fashioned logic, and what you just did is *not allowed*." Harry paused. "Unless, of course, you have some *hint* you're not mentioning."

"Ah," said Dumbledore. He tapped his cheek, looking thoughtful. "An interesting argument, certainly, but doesn't it break down at the point where you make an analogy between a million potential murderers only one of whom committed the murder, and taking one out of many possible courses of action, when many possible courses of action may all be wise? I do not say that carrying your father's rock is the one best possible course of action, only that it is wiser to do than not."

Dumbledore once again reached into the same desk drawer he had accessed earlier, this time seeming to root around inside—at least his arm seemed to be moving. "I will remark," Dumbledore said while Harry was still trying to sort out how to reply to this completely unexpected rejoinder, "that it is a common misconception of Ravenclaws that all the smart children are Sorted there, leaving none for other Houses. This is not so; being Sorted to Ravenclaw indicates that you are driven by your desire to know things, which is not at all the same quality as being intelligent." The wizard was smiling as he bent over the drawer. "Nonetheless, you *do* seem rather intelligent. Less like an ordinary young hero and more like a young mysterious ancient wizard. I think I may have been taking the

wrong approach with you, Harry, and that you may be able to understand things that few others could grasp. So I shall be daring, and offer you a certain *other* heirloom."

"You don't mean..." gasped Harry. "My father... *owned another rock?*"

"Excuse me," said Dumbledore, "I *am* still older and more mysterious than you and if there are any revelations to be made then *I* will do the revealing, thank you... oh, where is that thing!" Dumbledore reached down further into the desk drawer, and still further. His head and shoulders and whole torso disappeared inside until only his hips and legs were sticking out, as though the desk drawer was eating him.

Harry couldn't help but wonder just how much stuff was in there and what the complete inventory would look like.

Finally Dumbledore rose back up out of the drawer, holding the objective of his search, which he set down on the desk alongside the rock.

It was a used, ragged-edged, worn-spined textbook: *Intermediate Potion Making* by Libatius Borage. There was a picture of a smoking vial on the cover.

"This," Dumbledore intoned, "was your mother's fifth-year Potions textbook."

"Which I am to carry with me at all times," said Harry.

"*Which holds a terrible secret.* A secret whose revelation could prove so disastrous that I must ask you to swear—and I do require you to swear it seriously, Harry, whatever you may think of all this—never to tell anyone or anything else."

Harry considered his mother's fifth-year Potions textbook, which, apparently, held a terrible secret.

The problem was that Harry *did* take that oaths like that very seriously. Any vow was an Unbreakable Vow if made by the right sort of person.

And...

"I'm feeling thirsty," Harry said, "and that is not at all a good sign."

Dumbledore entirely failed to ask any questions about this cryptic statement. "Do you swear, Harry?" said Dumbledore. His eyes gazed intently into Harry's. "Otherwise I cannot tell you."

"Yes," said Harry. "I swear." That was the trouble with being a Ravenclaw. You couldn't refuse an offer like that or your curiosity would eat you

alive, and everyone else knew it.

"And I swear in turn," said Dumbledore, "that what I am about to tell you is the truth."

Dumbledore opened the book, seemingly at random, and Harry leaned in to see.

"Do you see these notes," Dumbledore said in a voice so low it was almost a whisper, "written in the margins of the book?"

Harry squinted slightly. The yellowing pages seemed to be describing something called a *potion of eagle's splendour*, many of the ingredients being items that Harry didn't recognise at all and whose names didn't appear to derive from English. Scrawled in the margin was a handwritten annotation saying, *I wonder what would happen if you used Thestral blood here instead of blueberries?* and immediately beneath was a reply in different handwriting, *You'd get sick for weeks and maybe die.*

"I see them," said Harry. "What about them?"

Dumbledore pointed to the second scrawl. "The ones in this handwriting," he said, still in that low voice, "were written by your mother. And the ones in *this* handwriting," moving his finger to indicate the first scrawl, "were written by me. I would turn myself invisible and sneak into her dorm room while she was sleeping. Lily thought one of her friends was writing them and they had the most amazing fights."

That was the exact point at which Harry realised that the Headmaster of Hogwarts *was*, in fact, crazy.

Dumbledore was looking at him with a serious expression. "Do you understand the implications of what I have just told you, Harry?"

"Ehhh..." Harry said. His voice seemed to be stuck. "Sorry... I... not really..."

"Ah well," said Dumbledore, and sighed. "I suppose your cleverness has limits after all, then. Shall we all just pretend I didn't say anything?"

Harry rose from his chair, wearing a fixed smile. "Of course," Harry said. "You know it's actually getting rather late in the day and I'm a bit hungry, so I should be going down to dinner, really" and Harry made a beeline for the door.

The doorknob entirely failed to turn.

"You wound me, Harry," said Dumbledore's voice in quiet tones that were coming from right behind him. "Do you not at least realise that what I have told you is a sign of trust?"

Harry slowly turned around.

In front of him was a very powerful and very insane wizard with a long silver beard, a hat like a squashed giant mushroom, and wearing what looked to Muggle eyes like three layers of bright pink pyjamas.

Behind him was a door that didn't seem to be working at the moment.

Dumbledore was looking rather saddened and weary, like he wanted to lean on a wizard's staff he didn't have. "Really," said Dumbledore, "you try anything new instead of following the same pattern every time for a hundred and ten years, and people all start running away." The old wizard shook his head in sorrow. "I'd hoped for better from you, Harry Potter. I'd heard that your own friends also think you mad. I know they are mistaken. Will you not believe the same of me?"

"Please open the door," Harry said, his voice trembling. "If you ever want me to trust you again, open the door."

There was the sound behind him of a door opening.

"There were more things I planned to say to you," Dumbledore said, "and if you leave now, you will not know what they were."

Sometimes Harry absolutely *hated* being a Ravenclaw.

*He's never hurt a student,* said Harry's Gryffindor side. *Just keep remembering that and you'll be sure not to panic. You're not going to run away just because things are getting interesting, are you?*

*You can't just walk out on the Headmaster!* said the Hufflepuff part. *What if he starts deducting House points? He could make your school life very difficult if he decides he doesn't like you!*

And a piece of himself which Harry didn't much like but couldn't quite manage to silence was pondering the potential advantages of being one of the few friends of this mad old wizard who also happened to be Headmaster, Chief Warlock, and Supreme Mugwump. And unfortunately his inner Slytherin seemed to be much better than Draco at turning people to the Dark Side, because it was saying things like *poor fellow, he looks like he needs someone to talk to, doesn't he?* and *you wouldn't want such a powerful man to end up trusting someone less virtuous, would you?* and *I wonder what sort*

*of incredible secrets Dumbledore could tell you if, you know, you became friends with him and even I bet he's got a reaallly interesting book collection.*

*You're all a bunch of lunatics,* Harry thought at the entire assemblage, but he'd been unanimously outvoted by every component part of himself.

Harry turned, took a step towards the open door, reached out, and deliberately closed it again. It was a costless sacrifice given that he was staying anyway, Dumbledore could control his movements regardless, but maybe it would impress Dumbledore.

When Harry turned back around he saw that the powerful insane wizard was once more smiling and looking friendly. That was good, maybe.

"Please don't do that again," Harry said. "I don't like being trapped."

"I *am* sorry about that, Harry," said Dumbledore in what sounded like tones of sincere apology. "But it would have been terribly unwise to let you leave without your father's rock."

"Of course," Harry said. "It wasn't reasonable of me to expect the door to open before I put the quest items in my inventory."

Dumbledore smiled and nodded.

Harry went over to the desk, twisted his mokeskin pouch around to the front of his belt, and, with some effort, managed to heave up the rock in his eleven-year-old arms and feed it in.

He could actually feel the weight slowly diminishing as the Widening Lip charm ate the rock, and the burp which followed was rather noisy and had a distinctly complaining sound to it.

His mother's fifth-year Potions textbook (which held a secret that was in fact pretty terrible) followed shortly after.

And then Harry's inner Slytherin made a sly suggestion for ingratiating himself with the Headmaster, which, unfortunately, had been perfectly pitched in such a way as to gain the support of the majority Ravenclaw faction.

"So," Harry said. "Um. As long as I'm hanging around, I don't suppose you would like to give me a bit of a tour of your office? I'm a bit curious as to what some of these things are," and that was his understatement for the month of September.

Dumbledore gazed at him, and then nodded with a slight grin. "I'm flattered by your interest," said Dumbledore, "but I'm afraid there isn't

much to say.” Dumbledore took a step closer to the wall and pointed to a painting of a sleeping man. “These are portraits of past Headmasters of Hogwarts.” He turned and pointed to his desk. “This is my desk.” He pointed to his chair. “This is my chair—”

“Excuse me,” Harry said, “actually I was wondering about those.” Harry pointed to a small cube that was softly whispering “blorple... blorple... blorple”.

“Oh, the little fiddly things?” said Dumbledore. “They came with the Headmaster’s office and I have absolutely no idea what most of them do. Although *this* dial with the eight hands counts the number of, let’s call them sneezes, by left-handed witches within the borders of France, you would not believe how much work it took to nail that down. And *this* one with the golden wibblers is my own invention and Minerva is never, ever going to figure out what it’s doing.”

Dumbledore took a step over to the hatrack while Harry was still processing this. “Here of course we have the Sorting Hat, I believe the two of you have met. It told me that it was never again to be placed on your head under any circumstances. You’re only the fourteenth student in history it’s said that about, Baba Yaga was another one and I’ll tell you about the other twelve when you’re older. This is an umbrella. This is another umbrella.” Dumbledore took another few steps and turned around, now smiling quite broadly. “And of course, most people who come to my office want to see Fawkes.”

Dumbledore was standing next to the bird on the golden platform.

Harry came over, rather puzzled. “This is Fawkes?”

“Fawkes is a phoenix,” said Dumbledore. “Very rare, very powerful magical creatures.”

“Ah...” Harry said. He lowered his head and stared into the tiny, beady black eyes, which showed not the slightest sign of power or intelligence.

“Ahhh...” Harry said again.

He was pretty sure he recognised the shape of the bird. It was pretty hard to miss.

“Umm...”

*Say something intelligent!* Harry’s mind roared at itself. *Don’t just stand there sounding like a gibbering moron!*

*Well what the heck am I supposed to say?* Harry's mind fired back.

*Anything!*

*You mean, anything besides "Fawkes is a chicken"—*

*Yes! Anything but that!*

"So, ah, what sort of magic do phoenixes do, then?"

"Their tears have the power to heal," Dumbledore said. "They are creatures of fire, and move between all places as easily as fire may extinguish itself in one place and be kindled in another. The tremendous strain of their innate magic ages their bodies quickly, and yet they are as close to undying as any creature that exists in this world, for whenever their bodies fail them they immolate themselves in a burst of fire and leave behind a hatchling, or sometimes an egg." Dumbledore came closer and inspected the chicken, frowning. "Hm... looking a little peaky there, I'd say."

By the time this statement registered fully in Harry's mind, the chicken was already on fire.

The chicken's beak opened, but it didn't have time for so much as a single caw before it began to wither and char. The blaze was brief, intense, and entirely self-contained; there was no smell of burning.

And then the fire died down only seconds after it had begun, leaving behind a tiny, pathetic heap of ashes on the golden platform.

"Don't look so horrified, Harry!" said Dumbledore. "Fawkes hasn't been hurt." Dumbledore's hand dipped into a pocket, and then the same hand sifted through the ashes and turned up a small yellowish egg. "Look, here's an egg!"

"Oh... wow... amazing..."

"But now we really should get on with things," Dumbledore said. Leaving the egg behind in the ashes of the chicken, he returned to his throne and seated himself. "It's almost time for dinner, after all, and we wouldn't want to have to use our Time-Turners."

There was a violent power struggle going on in the Government of Harry. Slytherin and Hufflepuff had switched sides after seeing the Headmaster of Hogwarts set fire to a chicken.

"Yes, things," said Harry's lips. "And then dinner."

*You're sounding like a gibbering moron again* observed Harry's Internal Critic.

"Well," Dumbledore said. "I fear I have a confession to make, Harry. A confession and an apology."

"Apologies are good" *that doesn't even make sense! What am I talking about?*

The old wizard sighed deeply. "You may not still think so after understanding what I have to say. I'm afraid, Harry, that I've been manipulating you your entire life. It was I who consigned you to the care of your wicked stepparents—"

"My stepparents aren't wicked!" blurted Harry. "My *parents*, I mean!"

"They aren't?" Dumbledore said, looking surprised and disappointed. "Not even a little wicked? That doesn't fit the pattern..."

Harry's inner Slytherin screamed at the top of its mental lungs, *SHUT UP YOU IDIOT HE'LL TAKE YOU AWAY FROM THEM!*

"No, no," said Harry, lips frozen in a ghastly grimace, "I was just trying to spare your feelings, they're actually very wicked..."

"They are?" Dumbledore leaned forward, gazing at him intently. "What do they do?"

*Talk fast* "they, ah, I have to do dishes and wash problems and they don't let me read a lot of books and—"

"Ah, good, that's good to hear," said Dumbledore, leaning back again. He smiled in a sad sort of way. "I apologise for *that*, then. Now where was I? Ah, yes. I'm sorry to say, Harry, that I am responsible for virtually everything bad that has ever happened to you. I know that this will probably make you very angry."

"Yes, I'm very angry!" said Harry. "Grrr!"

Harry's Internal Critic promptly awarded him the All-Time Award for the Worst Acting in the History of Ever.

"And I just wanted you to know," Dumbledore said, "I wanted to tell you as early as possible, in case something happens to one of us later, that I am truly, truly sorry. For everything that has already happened, and everything that will."

Moisture glistened in the old wizard's eyes.



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## LOCATING THE HYPOTHESIS

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"And I'm very angry!" said Harry. "So angry that I want to leave right now unless you've got anything else to say!"

*Just GO before he sets you on fire!* shrieked Slytherin, Hufflepuff, and Gryffindor.

"I understand," said Dumbledore. "One last thing then, Harry. You are *not* to attempt the forbidden door on the third-floor corridor. There's no possible way you could get through all the traps, and I wouldn't want to hear that you'd been hurt trying. Why, I doubt that you could so much as open the first door, since it's locked and you don't know the spell *Alohomora*—"

Harry spun around and bolted for the exit at top speed, the doorknob turned agreeably in his hand and then he was racing down the spiral stairs even as they turned, his feet almost stumbling over themselves, in just a moment he was at the bottom and the gargoyle was walking aside and Harry fired out of the stairwell like a cannonball.

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Harry Potter.

There must have been something about Harry Potter.

It was Thursday for everyone, after all, and yet this sort of thing didn't seem to happen to anyone else.

It was 6:21pm on Thursday afternoon when Harry Potter, firing out of the stairwell like a cannonball and accelerating at top speed, ran directly into Minerva McGonagall as she was turning a corner on her way to the Headmaster's office.

Thankfully neither of them were much hurt. As had been explained to Harry a little earlier in the day—back when he was refusing to go anywhere near a broomstick again—Quidditch needed solid iron Bludgers just to stand a decent chance of injuring the players, since wizards tended to be a lot more resistant than Muggles to impacts.

Harry and Professor McGonagall did both end up on the floor, and the parchments she had been carrying went all over the corridor.

There was a terrible, terrible pause.

"Harry Potter," breathed Professor McGonagall from where she was lying on the floor right next to Harry. Her voice rose to nearly a shriek. "*What were you doing in the Headmaster's office?*"

"Nothing!" squeaked Harry.

"*Were you talking about the Defence Professor?*"

"No! Dumbledore called me up there and he gave me this big rock and said it was my father's and I should carry it everywhere!"

There was another terrible pause.

"I see," said Professor McGonagall, her voice a little calmer. She stood up, brushed herself off, and glared at the scattered parchments, which jumped into a neat stack and scurried back against the corridor wall as though to hide from her gaze. "My sympathies, Mr. Potter, and I apologise for doubting you."

"Professor McGonagall," Harry said. His voice was wavering. He pushed himself off the floor, stood, and looked up at her trustworthy, *sane* face. "Professor McGonagall..."

"Yes, Mr. Potter?"

"Do you think I should?" Harry said in a small voice. "Carry my father's rock everywhere?"

Professor McGonagall sighed. "That is between you and the Headmaster, I'm afraid." She hesitated. "I will say that ignoring the Headmaster completely is almost never wise. I *am* sorry to hear of your dilemma, Mr. Potter, and if there's any way I *can* help you with whatever you decide to do—"

"Um," Harry said. "Actually I was thinking that once I know how, I could Transfigure the rock into a ring and wear it on my finger. If you could teach me how to sustain a Transfiguration—"

"It is good that you asked me first," Professor McGonagall said, her face growing a bit stern. "If you lost control of the Transfiguration the reversal would cut off your finger and probably rip your hand in half. And at your age, even a ring is too large a target for you to sustain indefinitely without it being a serious drain on your magic. But I can have a ring forged for you with a setting for a jewel, a *small* jewel, in contact with your skin, and you can practice sustaining a safe subject, like a marshmallow. When you have kept it up successfully, even in your sleep, for a

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## LOCATING THE HYPOTHESIS

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full month, I will allow you to Transfigure, ah, your father's rock..." Professor McGonagall's voice trailed off. "Did the Headmaster *really*—"

"Yes. Ah... um..."

Professor McGonagall sighed. "That's a bit strange even for him." She stooped and picked up the stack of parchments. "I'm sorry about this, Mr. Potter. I apologise again for mistrusting you. But now it's my own turn to see the Headmaster."

"Ah... good luck, I guess. Er..."

"Thank you, Mr. Potter."

"Um..."

Professor McGonagall walked over to the gargoyle, inaudibly spoke the password, and stepped through into the revolving spiral stairs. She began to rise out of sight, and the gargoyle started back—

"*Professor McGonagall the Headmaster set fire to a chicken!*"

"He *wha*—"



## CHAPTER SEVENTEEN

# DOMINANCE HIERARCHIES

It was breakfast time on Friday morning. Harry took another huge bite out of his toast and then tried to remind his brain that scarfing his breakfast wouldn't actually get him into the dungeons any faster. Anyway they had a full hour of study time between breakfast and the start of Potions.

But dungeons! In Hogwarts! Harry's imagination was already sketching the chasms, narrow bridges, torchlit sconces, and patches of glowing moss. Would there be rats? Would there be *dragons*?

"Harry Potter," said a quiet voice from behind him.

Harry looked over his shoulder and found himself beholding Ernie Macmillan, smartly dressed in yellow-trimmed robes and looking a little worried.

"Neville thought I should warn you," Ernie said in a low voice. "I think he's right. Be careful of the Potions Master in our session today. The older Hufflepuffs told us that Professor Snape can be really nasty to people he doesn't like, and he doesn't like most people who aren't Slytherins. If you say anything smart to him it... it could be really bad for you, from what I've heard. Just keep your head down and don't give him any reason to notice you."

There was a pause as Harry processed this, and then he lifted his eyebrows. (Harry wished he could raise just one eyebrow, like Spock, but he'd never been able to manage.) "Thanks," Harry said. "You might've just saved me a lot of trouble."

Ernie nodded, and turned to go back to the Hufflepuff table.

Harry resumed eating his toast.

It was around four bites afterward that someone said "Pardon me," and Harry turned around to see an older Ravenclaw, looking a little worried—

Some time later, Harry was finishing up his third plate of rashers. (He'd learned to eat heavily at breakfast. He could always eat lightly at lunch if he didn't end up using the Time-Turner.) And there was yet another voice from behind him saying "Harry?"

"Yes," Harry said wearily, "I'll try not to draw Professor Snape's attention—"

"Oh, that's hopeless," said Fred.

"Completely hopeless," said George.

"So we had the house elves bake you a cake," said Fred.

"We're going to put one candle on it for every point you lose for Ravenclaw," said George.

"And have a party for you at the Gryffindor table during lunch," said Fred.

"We hope that'll cheer you up afterward," finished George.

Harry swallowed his last bite of rasher and turned around. "All right," said Harry. "I wasn't going to ask this after Professor Binns, I really wasn't, but if Professor Snape is *that* awful why hasn't he been fired?"

"Fired?" said Fred.

"You mean, let go?" said George.

"Yes," Harry said. "It's what you do to bad teachers. You fire them. Then you hire a better teacher instead. You don't have unions or tenure here, right?"

Fred and George were frowning in much the same way that hunter-gatherer tribal elders might frown if you tried to tell them about calculus.

"I don't know," said Fred after a while. "I never thought about that."

"Me neither," said George.

"Yeah," said Harry, "I get that a lot. See you at lunch, guys, and don't blame me if there aren't any candles on that cake."

Fred and George both laughed, as if Harry had said something funny, and bowed to him and headed back toward Gryffindor.

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## DOMINANCE HIERARCHIES

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Harry turned back to the breakfast table and grabbed a cupcake. His stomach already felt full, but he had a feeling this morning might use a lot of calories.

As he ate his cupcake, Harry thought of the worst teacher he'd met so far, Professor Binns of History. Professor Binns was a ghost. From what Hermione had said about ghosts, it didn't seem likely that they were fully self-aware. There were no famous discoveries made by ghosts, or much of any original work, no matter who they'd been in life. Ghosts tended to have trouble remembering the current century. Hermione had said they were like accidental portraits, impressed into the surrounding matter by a burst of psychic energy accompanying a wizard's sudden death.

Harry had run into some stupid teachers during his abortive forays into standard Muggle education—his father had been a lot pickier when it came to selecting grad students as tutors, of course—but History class was the first time he'd encountered a teacher who literally wasn't sentient.

And it showed, too. Harry had given up after five minutes and started reading a textbook. When it became clear that "Professor Binns" wasn't going to object, Harry had also reached into his pouch and gotten earplugs.

Did ghosts not require a salary? Was that it? Or was it literally impossible to fire anyone in Hogwarts *even if they died*?

Now it seemed that Professor Snape was going about being absolutely awful to everyone who wasn't a Slytherin and it hadn't even *occurred* to anyone to terminate his contract.

And the Headmaster had set fire to a chicken.

"Excuse me," came a worried voice from behind him.

"I swear," Harry said without turning around, "this place is almost eight and a half percent as bad as what Dad says about Oxford."

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Harry stamped down the stone corridors, looking affronted, annoyed, and infuriated all at once.

"Dungeons!" Harry hissed. "*Dungeons!* These are not dungeons! This is a basement! A *basement!*"

Some of the Ravenclaw girls gave him odd looks. The boys were all used to him by now.

It seemed that the level in which the Potions classroom was located was called the "dungeons" for no better reason than that it was below ground and slightly colder than the main castle.

In *Hogwarts!* In *Hogwarts!* Harry had been waiting his whole life and now he was *still* waiting and if there was anywhere *on the face of the Earth* that had decent dungeons it ought to be Hogwarts! Was Harry going to have to build his own castle if he wanted to see one little bottomless abyss?

A short time later they got to the actual Potions classroom and Harry cheered up considerably.

The Potions classroom had strange preserved creatures floating in huge jars on shelves that covered every centimeter of wall space between the closets. Harry had gotten far enough along in his reading now that he could actually identify some of the creatures, like the Zabriskan Fontema. Albeit the fifty-centimeter spider *looked* like an Acromantula but it was too small to *be* one. He'd tried asking Hermione, but she hadn't seemed very interested in looking anywhere near where he was pointing.

Harry was looking at a large dust ball with eyes and feet when the assassin swept into the room.

That was the first thought that crossed Harry's mind when he saw Professor Severus Snape. There was something quiet and deadly about the way the man stalked between the children's desks. His robes were unkempt, his hair spotted and greasy. There was something about him that seemed reminiscent of Lucius, although the two of them looked nothing remotely alike, and you got the impression that where Lucius would kill you with flawless elegance, this man would simply kill you.

"Sit down," said Professor Severus Snape. "Now."

Harry and a few other children who had been standing around talking to each other scrambled for desks. Harry had planned on ending up next to Hermione but somehow he found himself sitting down in the nearest empty desk next to Justin Finch-Fletchley (it was a Doubles session,



Ravenclaw and Hufflepuff) which put him two desks to the left of Hermione.

Severus seated himself behind the teacher's desk, and without the slightest transition or introduction, said, "Hannah Abbott."

"Here," said Hannah in a somewhat trembling voice.

"Susan Bones."

"Present."

And so it went, no one daring to say a word in edgewise, until:

"Ah, yes. Harry Potter. Our new... *celebrity*."

"The celebrity is present, *sir*."

Half the class flinched, and some of the smarter ones suddenly looked like they wanted to run out the door while the classroom was still there.

Severus smiled in an anticipatory sort of way and called the next name on his list.

Harry gave a mental sigh. That had happened way too fast for him to do anything about it. Oh well. Clearly this man already didn't like him, for whatever reason. And when Harry thought about it, better by far that this Potions professor should pick on *him* rather than, say, Neville or Hermione. Harry was a lot better able to defend himself. Yep, probably all for the best.

When full attendance had been taken, Severus swept his gaze over the full class. His eyes were as empty as a night sky without stars.

"You are here," Severus said in a quiet voice which the students at back strained to hear, "to learn the subtle science and exact art of potionmaking. As there is little foolish wand-waving here, many of you will hardly believe this is magic. I don't expect you will really understand the beauty of the softly simmering cauldron with its shimmering fumes, the delicate power of liquids that creep through human veins," this in a rather caressing, gloating tone, "bewitching the mind, ensnaring the senses," this was just getting creepier and creepier. "I can teach you how to bottle fame, brew glory, even stopper death—if you aren't as great a pack of fools as I usually have to teach."

Severus somehow seemed to notice the look of skepticism on Harry's face, or at least his eyes suddenly jumped to where Harry was sitting.

"Potter!" snapped the Potions professor. "What would I get if I added powdered root of asphodel to an infusion of wormwood?"

Harry blinked. "Was that in *Magical Drafts and Potions*?" he said. "I just finished reading it, and I don't remember anything which used wormwood—"

Hermione's hand went up and Harry shot her a glare which caused her to raise her hand even higher.

"Tut, tut," Severus said silkily. "Fame clearly isn't everything."

"Really?" Harry said. "But you just told us you'd teach us how to bottle fame. Say, how *does* that work, exactly? You drink it and turn into a celebrity?"

Three-quarters of the class flinched.

Hermione's hand was dropping slowly back down. Well, that wasn't surprising. She might be his rival, but she wasn't the sort of girl who would play along after it became clear that the professor was deliberately trying to humiliate him.

Harry was trying hard to keep control of his temper. The first rejoinder that had crossed his mind was 'Abracadabra'.

"Let's try again," said Severus. "Potter, where would you look if I told you to find me a bezoar?"

"That's not in the textbook either," Harry said, "but in one Muggle book I read that a trichinobezoar is a mass of solidified hair found in a human stomach, and Muggles used to believe it would cure any poison—"

"Wrong," Severus said. "A bezoar is found in the stomach of a goat, it is not made of hair, and it will cure most poisons but not all."

"I didn't *say* it would, I said that was what I read in one Muggle book—"

"No one here is interested in your *pathetic* Muggle books. Final try. What is the difference, Potter, between monksblood and wolfsbane?"

That did it.

"You know," Harry said icily, "in one of my quite *fascinating* Muggle books, they describe a study in which people managed to make themselves look very smart by asking questions about random facts that only they knew. Apparently the onlookers only noticed that the askers knew and the answerers didn't, and failed to adjust for the unfairness of the

underlying game. So, Professor, can you tell me how many electrons are in the outermost orbital of a carbon atom?"

Severus's smile widened. "Four," he said. "It is a useless fact which no one should bother writing down, however. And for your information, Potter, asphodel and wormwood make a sleeping potion so powerful it is known as the Draught of Living Death. As for monkshood and wolfsbane, they are the same plant, which also goes by the name of aconite, as you would know if you had read *One Thousand Magical Herbs and Fungi*. Thought you didn't need to open the book before coming, eh, Potter? All the rest of you should be copying that down so that you will not be as ignorant as him." Severus paused, looking quite pleased with himself. "And that will be... five points? No, let us make it an even ten points from Ravenclaw for backchat."

Hermione gasped, along with a number of others.

"Professor Severus Snape," Harry bit out. "I know of nothing which I have done to earn your enmity. If there is some problem you have with me which I do not know about, I suggest we—"

"Shut up, Potter. Ten more points from Ravenclaw. The rest of you, open your books to page 3."

There was only a slight, only a very faint burning sensation in the back of Harry's throat, and no moisture at all in his eyes. If crying was not an effective strategy for destroying this Potions professor then there was no point in crying.

Slowly, Harry sat up very straight. All his blood seemed to have been drained away and replaced with liquid nitrogen. He knew he'd been trying to keep his temper but he couldn't seem to remember why.

"Harry," whispered Hermione frantically from two desks over, "stop, please, it's all right, we won't count it—"

"Talking in class, Granger? Three—"

"So," said a voice colder than zero Kelvin, "how does one go about filing a formal complaint against an abusive professor? Does one talk to the Deputy Headmistress, write a letter to the Board of Governors... would you care to explain how it works?"

The class was utterly frozen.

"Detention for one month, Potter," Severus said, smiling even more broadly.

"I decline to recognize your authority as a teacher and I will not serve any detention you give."

People stopped breathing.

Severus's smile vanished. "Then you will be—" his voice stopped short.

"Expelled, were you about to say?" Harry, on the other hand, was now smiling thinly. "But then you seemed to doubt your ability to carry out the threat, or fear the consequences if you did. I, on the other hand, neither doubt nor fear the prospect of finding a school with less abusive professors. Or perhaps I should hire private tutors, as is my accustomed practice, and be taught at my full learning speed. I have enough money in my vault. Something about bounties on a Dark Lord I defeated. But there *are* teachers at Hogwarts who I rather like, so I think it will be easier if I find some way to get rid of you instead."

"Get rid of me?" Severus said, now also smiling thinly. "What an amusing conceit. How do you suppose you will do that, Potter?"

"I understand there have been a number of complaints about you from students and their parents," a guess but a safe one, "which leaves only the question of why you're not already gone. Is Hogwarts too financially strapped to afford a real Potions professor? I could chip in, if so. I'm sure they could find a better class of teacher if they offered double your current salary."

Two poles of ice radiated freezing winter across the classroom.

"You will find," Severus said softly, "that the Board of Governors is not the slightest bit sympathetic to your offer."

"Lucius..." Harry said. "*That's* why you're still here. Perhaps I should chat with Lucius about that. I believe he desires to meet with me. I wonder if I have anything he wants?"

Hermione frantically shook her head. Harry noticed out of the corner of his eye, but his attention was all on Severus.

"You are a very foolish boy," Severus said. He wasn't smiling at all, now. "You have nothing that Lucius values more than my friendship. And if you did, I have other allies." His voice grew hard. "And I find it increas-

ingly unlikely that you were not Sorted into Slytherin. How was it that you managed to stay out of my House? Ah, yes, because the Sorting Hat claimed it was *joking*. For the first time in recorded history. What were you really *chatting* about with the Sorting Hat, Potter? Did you have something that it wanted?"

Harry stared into Severus's cold gaze and remembered that the Sorting Hat had warned him not to meet anyone's eyes while thinking about—Harry dropped his gaze to Severus's desk.

"You seem oddly reluctant to look me in the eyes, Potter!"

A shock of sudden understanding—"So it was *you* the Sorting Hat was warning me about!"

"What?" said Severus's voice, sounding genuinely surprised, though of course Harry didn't look at his face.

Harry got up out of his desk.

"Sit down, Potter," said an angry voice from somewhere he wasn't looking.

Harry ignored it, and looked around the classroom. "I have no intention of letting one unprofessional teacher ruin my time at Hogwarts," Harry said with deadly calm. "I think I'll take my leave of this class, and either hire a tutor to teach me Potions while I'm here, or if the Board is really that locked up, learn over the summer. If any of you decide that you don't care to be bullied by this man, my sessions will be open to you."

"Sit down, Potter!"

Harry strode across the room and grasped the doorknob.

It didn't turn.

Harry slowly turned around, and caught a glimpse of Severus smiling nastily before he remembered to look away.

"Open this door."

"No," said Severus.

"You are making me feel threatened," said a voice so icy it didn't sound like Harry's at all, "and that is a mistake."

Severus's voice laughed. "What do you intend to do about it, little boy?"

Harry took six long strides forward away from the door, until he was standing near the back row of desks.

Then Harry drew himself upright and raised his right hand in one terrible motion, fingers poised to snap.

Neville screamed and dived under his desk. Other children shrank back or instinctively raised their arms to shield themselves.

"*Harry don't!*" shrieked Hermione. "Whatever you were going to do to him, don't do it!"

"Have you all gone *mad?*" barked Severus's voice.

Slowly, Harry lowered his hand. "I wasn't going to hurt him, Hermione," Harry said, his voice a little lower. "I was just going to blow up the door."

Though now that Harry remembered it, you weren't supposed to Transfigure things that were to be burned, which meant that going back in time afterward and getting Fred or George to Transfigure some carefully measured amount of explosives might not actually have been such a good idea...

"*Silencio,*" said Severus's voice.

Harry tried to say "What?" and found that no sound was coming out.

"This has become ridiculous. I think you've been allowed to get yourself in enough trouble for one day, Potter. You are the most disruptive and unruly student I have ever seen, and I don't recall how many points Ravenclaw has right now, but I'm sure I can manage to wipe them all out. Ten points from Ravenclaw. Ten points from Ravenclaw. Ten points from Ravenclaw! Fifty points from Ravenclaw! Now sit down and watch the rest of the class take their lesson!"

Harry put his hand into his pouch and tried to say 'marker' but of course no words came out. For one brief moment that stopped him; and then it occurred to Harry to spell out M-A-R-K-E-R using finger motions, which worked. P-A-D and he had a pad of paper. Harry strode over to an empty desk, not the one he'd originally sat down in, and scrawled a brief message. He tore off that sheet of paper, put away the marker and pad in a pocket of his robes for quicker access, and held up his message, not to Snape, but to the rest of the class.

*I'M LEAVING*

*DOES ANYONE ELSE*

*NEED TO GET OUT?*

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## DOMINANCE HIERARCHIES

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"You're insane, Potter," Severus said with cold contempt.

Aside from that, no one spoke.

Harry swept an ironic bow to the teacher's desk, walked over to the wall, and with one smooth motion yanked open a closet door, stepped in, and slammed the door shut behind him.

There was the muffled sound of someone snapping his fingers, and then nothing.

In the classroom, students looked at each other in puzzlement and fear.

The Potions Master's face was now completely enraged. He crossed the room in terrible strides and yanked open the closet door.

The closet was empty.

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One hour earlier, Harry listened from inside the closed closet. There was no sound from outside, and no point in taking risks either.

C-L-O-A-K, his fingers spelled out.

Once he was invisible, he very carefully and slowly cracked open the closet door and peeked out. No one seemed to be in the classroom.

The door wasn't locked.

It was when Harry was outside the dangerous place and inside the hallway, safely invisible, that some of the anger drained away and he realized what he'd just done.

What he'd just done.

Harry's invisible face was frozen in absolute horror.

He'd antagonized a teacher three orders of magnitude beyond anything he'd ever managed before. He'd threatened to walk out of Hogwarts and might have to follow through on it. He'd lost all the points Ravenclaw had and then he'd used the Time-Turner...

His imagination showed him his parents yelling at him after he was expelled, Professor McGonagall disappointed in him, and it was just too painful and he couldn't bear it and he *couldn't think of any way to save himself*—

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## CHAPTER 17

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The thought that Harry allowed himself to think was that if getting angry had gotten him into all this trouble, then maybe when he was angry he'd think of a way out, things seemed clearer somehow when he was angry.

And the thought that Harry didn't let himself think was that he just couldn't face this future if he wasn't angry.

So he cast his thoughts back and remembered the burning humiliation—

*Tut, tut. Fame clearly isn't everything.*

*Ten points from Ravenclaw for backchat.*

The calming cold washed back through his veins like a wave reflected and returning from some breaker, and Harry let out his breath.

Okay. Back to being sane now.

He was actually feeling a bit disappointed in his non-angry self for collapsing like that and wanting only to get out of trouble. Professor Severus Snape was *everyone's* problem. Normal-Harry had forgotten that and wished for a way to protect *himself*. And let all the other victims go hang? The question wasn't how to protect himself, the question was how to destroy this Potions professor.

*So this is my dark side, is it? Bit of a prejudiced term that, my light side seems more selfish and cowardly, not to mention confused and panicky.*

And now that he was thinking clearly, it was equally clear what to do next. He'd already given himself an extra hour to prepare, and could get up to five hours more if required...

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Minerva McGonagall waited in the Headmaster's office.

Dumbledore sat in his padded throne behind his desk, dressed in four layers of formal lavender robes. Minerva sat in a chair before him, opposite Severus in another chair. Facing the three of them was an empty wooden stool.

They were waiting for Harry Potter.

*Harry, Minerva thought despairingly, you promised you wouldn't bite any teachers!*



And in her mind she could see very clearly the reply, Harry's angry face and his outraged response: *I said I wouldn't bite anyone who didn't bite me first!*

There was a knock at the door.

"Come in!" Dumbledore called.

The door swept open, and Harry Potter entered. Minerva almost gasped out loud. The boy looked cool, collected, and utterly in control of himself.

"Good mor—" Harry's voice suddenly cut off. His jaw dropped.

Minerva tracked Harry's gaze, and she saw that Harry was staring at Fawkes where the phoenix sat on its golden perch. Fawkes fluttered his bright red-golden wings like the flickering of a flame, and dipped his head in a measured nod to the boy.

Harry turned to stare at Dumbledore.

Dumbledore winked at him.

Minerva felt she was missing something.

Sudden uncertainty crossed Harry's face. His coolness wavered. Fear showed in his eyes, then anger, and then the boy was calm again.

A chill went down Minerva's spine. Something was not right here.

"Please sit down," said Dumbledore. His face was now serious once more.

Harry sat.

"So, Harry," said Dumbledore. "I've heard one report of this day from Professor Snape. Would you care to tell me what happened in your own words?"

Harry's gaze flicked dismissively to Severus. "It's not complicated," said the boy, smiling thinly. "He tried bullying me the way he's been bullying every non-Slytherin in the school since the day Lucius foisted him off on you. As for the other details, I request a private conversation with you concerning them. A student who is reporting abusive behavior from a professor can hardly be expected to speak frankly in front of that same professor, after all."

This time Minerva couldn't stop herself from gasping out loud.

Severus simply laughed.

And the Headmaster's face grew grave. "Mr. Potter," the Headmaster said, "one does not speak of a Hogwarts professor in such terms. I fear that you labor under a terrible misapprehension. Professor Severus Snape has my fullest confidence, and serves Hogwarts at my own behest, not Lucius Malfoy's."

There was silence for a few moments.

When the boy spoke again his voice was icy. "Am I missing something here?"

"Quite a number of things, Mr. Potter," said the Headmaster. "You should understand, to start with, that the purpose of this meeting is to discuss how to discipline you for the events of this morning."

"This man has terrorized your school for years. I spoke to students and collected stories to make sure there would be enough for a newspaper campaign to rally the parents against him. Some of the younger students cried while they told me. I almost cried when I heard them! *You allowed this abuser to run free? You did this to your students? Why?*"

Minerva swallowed a lump in her throat. She'd—thought that, sometimes, but somehow she'd never quite—

"Mr. Potter," said the Headmaster, his voice now stern, "this meeting is not about Professor Snape. It is about you and your disregard for school discipline. Professor Snape has suggested, and I have agreed, that three full months of detention will be appropriate—"

"Declined," Harry said icily.

Minerva was speechless.

"This is not a request, Mr. Potter," the Headmaster said. The full, entire force of the wizard's gaze was turned on the boy. "This is your punishment—"

"You will explain to me why you allowed this man to hurt the children placed in your care, and if your explanation is not sufficient then I will begin my newspaper campaign with *you* as the target."

Minerva's body swayed with the force of that blow, with the sheer raw *lese majeste*.

Even Severus looked shocked.

"That, Harry, would be most extremely unwise," Dumbledore said slowly. "I am the primary piece opposing Lucius on the gameboard. For

you to do such a thing would strengthen him greatly, and I did not think that was your chosen side."

The boy was still for a long moment.

"This conversation grows private," Harry said. His hand flicked in Severus's direction. "Send him away."

Dumbledore shook his head. "Harry, did I not tell you that Severus Snape has my fullest confidence?"

The boy's face showed the shock of it. "This man's bullying makes you vulnerable! I am not the only one who could start a newspaper campaign against you! This is insane! Why are you doing this?"

Dumbledore sighed. "I'm sorry, Harry. It has to do with things that you are not, at this time, ready to hear."

The boy stared at Dumbledore. Then he turned to look at Severus. Then back to Dumbledore again.

"It is insanity," the boy said slowly. "You haven't reined him in because you think he's *part of the pattern*. That Hogwarts needs an evil Potions Master to be a proper magical school, just as it needs a ghost to teach History."

"That does sound like the sort of thing I would do, doesn't it?" said Dumbledore, smiling.

"Unacceptable," Harry said flatly. His gaze was now cold and dark. "I will not tolerate bullying or abuse. I had considered many possible ways of dealing with this problem, but I will make it simple. Either this man goes, or I do."

Minerva gasped again. Something strange flickered in Severus's eyes.

Now Dumbledore's gaze was also growing cold. "Expulsion, Mr. Potter, is the final threat which may be used against a student. It is not customarily used as a threat by students against the Headmaster. This is the best magical school in the entire world, and an education here is not an opportunity given to everyone. Are you under the impression that Hogwarts cannot get along without you?"

And Harry sat there, smiling thinly.

Sudden horror dawned on Minerva. Surely Harry wouldn't—

"You forget," Harry said, "that you're not the only one who can see patterns. *This grows private. Now send him—*" Harry flicked a hand at Severus again, and then stopped in mid-sentence and mid-gesture.

Minerva could see it on Harry's face, the moment when he remembered.

She'd told him, after all.

"Mr. Potter," said the Headmaster, "once again, Severus Snape has my fullest confidence."

"You told him," whispered the boy. "You utter fool."

Dumbledore didn't react to the insult. "Told him what?"

"That the Dark Lord is alive."

"*What in Merlin's name are you on about, Potter?*" cried Severus in tones of sheer astonishment and outrage.

Harry glanced briefly at him, smiling grimly. "Oh, so we *are* a Slytherin, then," Harry said. "I was starting to wonder."

And then there was silence.

Finally Dumbledore spoke. His voice was mild. "Harry, what *are* you talking about?"

"I'm sorry, Albus," Minerva whispered.

Severus and Dumbledore turned to look at her.

"Professor McGonagall didn't tell me," said Harry's voice, swiftly and less calm than it had been. "I guessed. I told you, I can see the patterns too. I guessed, and she controlled her reaction just as Severus did. But her control fell a shade short of perfection, and I could tell it was control, not genuine."

"And I told him," said Minerva, her voice trembling a little, "that you, and I, and Severus were the only ones who knew."

"Which she did as a concession to prevent me from simply going around asking questions, as I threatened to do if she didn't talk," Harry said. The boy chuckled briefly. "I really should have gotten one of you alone and told you that she told me everything, to see if you let anything slip. Probably wouldn't have worked, but would have been worth a shot." The boy smiled again. "Threat's still on the table and I do expect to be briefed *fully* at some point."

Severus was giving her a look of utter contempt. Minerva raised her chin and bore it. She knew it was deserved.

Dumbledore leaned back in his padded throne. His eyes were as cold as anything Minerva had seen from him since the day his brother died.

"And you threaten to abandon us to Voldemort if we do not comply with your wishes."

Harry's voice was razor-sharp. "I regret to inform you that you are not the center of the universe. I'm not threatening to walk out on magical Britain. I'm threatening to walk out on *you*. I am not a meek little Frodo. This is *my* quest and if you want in you will play by *my* rules."

Dumbledore's face was still cold. "I am beginning to doubt your suitability as the hero, Mr. Potter."

Harry's return gaze was equally icy. "I am beginning to doubt your suitability as my Gandalf, Mr. *Dumbledore*. Boromir was at least a plausible mistake. What is this *Nazgul* doing in my Fellowship?"

Minerva was completely lost. She looked at Severus, to see if he was following this, and she saw that Severus had turned his face away from Harry's field of vision and was smiling.

"I suppose," Dumbledore said slowly, "that from your perspective it is a reasonable question. So, Mr. Potter, if Professor Snape is to leave you alone henceforth, will that be the last time this issue arises, or will I find you here every week with a new demand?"

"Leave *me* alone?" Harry's voice was outraged. "I am not his only victim and certainly not the most vulnerable! *Have you forgotten how defenseless children are? How much they hurt?* Henceforth Severus will treat *every* student of Hogwarts with appropriate and professional courtesy, or you will find another Potions Master, or you will find another hero!"

Dumbledore started laughing. Full-throated, warm, humorous laughter, as if Harry had just performed a comic dance in front of him.

Minerva didn't dare move. Her eyes flickered and she saw that Severus was equally motionless.

Harry's visage grew even colder. "You mistake me, Headmaster, if you think that this is a joke. This is not a request. This is your punishment."

"Mr. Potter—" Minerva said. She didn't even know what she was going to say. She simply couldn't let that go by.

Harry made a shushing gesture at her and continued to speak to Dumbledore. "And if that seems impolite to you," Harry said, his voice now a little less hard, "it seemed no less impolite when you said it to me. You would not say such a thing to anyone who you considered a real human

being instead of a subordinate child, and I will treat you with just the same courtesy as you treat me—”

“Oh, indeed, in very deed, this is my punishment if ever there was one! Of *course* you’re in here blackmailing me to save your fellow students, not to save yourself! I can’t imagine why I would have thought otherwise!” Dumbledore was now laughing even harder. He pounded his fist on the desk three times.

Harry’s gaze grew uncertain. His face turned toward her, addressing her for the first time. “Excuse me,” Harry said. His voice seemed to be wavering. “Does he need to take his medication or something?”

“Ah...” Minerva had no idea what she could possibly say.

“Well,” said Dumbledore. He wiped away tears that had formed in his eyes. “Pardon me. I’m sorry for the interruption. Please continue with the blackmail.”

Harry opened his mouth, then closed it again. He now seemed a little unsteady. “Ah... he’s also to stop reading students’ minds.”

“Minerva,” Severus said, his voice deadly, “you—”

“Sorting Hat warned me,” said Harry.

“What?”

“Can’t say anything else. Anyway I think that’s it. I’m done.”

Silence.

“Now what?” Minerva said, when it became apparent that no one else was going to say anything.

“Now what?” Dumbledore echoed. “Why, now the hero wins, of course.”

“What?” said Severus, Minerva, and Harry.

“Well, he certainly seems to have backed us into a corner,” Dumbledore said, smiling happily. “But Hogwarts *does* need an evil Potions Master, or it just wouldn’t be a proper magical school, now would it? So how about if Professor Snape is only awful toward students in their fifth year and higher?”

“What?” said all three of them again.

“If it’s the most vulnerable victims about whom you’re concerned. Maybe you’re right, Harry. Maybe I *have* forgotten over the decades what it’s like to be a child. So let’s compromise. Severus will continue

to unfairly award points to Slytherin and impose lax discipline on his House, and he will be awful to non-Slytherin students in their fifth year and higher. To others he will be scary, but not abusive. He will promise to only read minds when the safety of a student requires it. Hogwarts will have its evil Potions Master, and the most vulnerable victims, as you put it, will be safe."

Minerva McGonagall was as shocked as she'd ever been in her life. She glanced uncertainly at Severus, whose face had been left completely neutral, as though he couldn't decide what sort of expression he ought to be wearing.

"I suppose that is acceptable," Harry said. His voice sounded a bit odd.

"You can't be serious," Severus said, his voice as expressionless as his face.

"I am very much in favor of this," Minerva said slowly. She was so much in favor that her heart was pounding wildly beneath her robes. "But what could we possibly tell the students? They might not have questioned this while Severus was... being awful to everyone, but—"

"Harry can tell the other students that he discovered a terrible secret of Severus's and did a bit of blackmail," said Dumbledore. "It's true, after all; he discovered that Severus was reading minds, and he certainly did blackmail us."

"This is insanity!" exploded Severus.

"Bwah ha ha!" said Dumbledore.

"Ah..." said Harry uncertainly. "And if anyone asks me why fifth years and above got shafted? I wouldn't blame them for being irate, and that part wasn't exactly my idea—"

"Tell them," said Dumbledore, "that it wasn't you who suggested the compromise, that it was all you could get. And then refuse to say anything more. That, too, is true. There's an art to it, you'll pick it up with practice."

Harry nodded slowly. "And the points he took from Ravenclaw?"

"They must not be given back."

It was Minerva who said it.

Harry looked at her.

"I'm sorry, Mr. Potter," she said. She *was* sorry, but it had to be done. "There *must* be some consequences for your misbehavior or this school

will fall to pieces.”

Harry shrugged. “Acceptable,” he said flatly. “But in the future Severus will not strike at my House connections by taking points from me, nor will he waste my valuable time with detentions. Should he feel that my behavior requires correction, he may communicate his concerns to Professor McGonagall.”

“Harry,” Minerva said, “will you continue to submit to school discipline, or are you to be above the law now, as Severus was?”

Harry looked at her. Something warm touched his gaze, briefly before it was quashed. “I will continue to be an ordinary student to every member of the staff who is not insane or evil, provided that they do not come under pressure from others who are.” Harry glanced briefly at Severus, then turned back to Dumbledore. “Leave Minerva alone, and I’ll be a regular Hogwarts student in her presence. No special privileges or immunities.”

“Beautiful,” Dumbledore said sincerely. “Spoken like a true hero.”

“And,” she said, “Mr. Potter must publicly apologize for his actions of today.”

Harry gave her another look. This one was a bit skeptical.

“The discipline of the school has been gravely injured by your actions, Mr. Potter,” Minerva said. “It must be restored.”

“I think, Professor McGonagall, that you considerably overestimate the importance of what you call school discipline, as compared to having History taught by a live teacher or not torturing your students. Maintaining the current status hierarchy and enforcing its rules seems ever so much more wise and moral and important when you are on the top and doing the enforcing than when you are on the bottom, and I can cite studies to this effect if required. I could go on for several hours about this point, but I will leave it at that.”

Minerva shook her head. “Mr. Potter, you underestimate the importance of discipline because you are not in need of it yourself—” She paused. That hadn’t come out right, and Severus, Dumbledore, and even Harry were giving her strange looks. “To learn, I mean. Not every child can learn in the absence of authority. And it is the other children who will be hurt, Mr. Potter, if they see your example as one to be followed.”



Harry's lips curved into a twisted smile. "The first and last resort is the truth. The truth is that I shouldn't have gotten angry, I shouldn't have disrupted the class, I shouldn't have done what I did, and I set a bad example for everyone. The truth is also that Severus Snape behaved in a fashion unbecoming a Hogwarts professor, and that from now on he will be more mindful of the injured feelings of students in their fourth year and under. The two of us could both get up and speak the truth. I could live with that."

"In your dreams, Potter!" spat Severus.

"After all," said Harry, smiling grimly, "if the students see that rules are for *everyone*... for professors too, not just for poor helpless students who get nothing but suffering out of the system... why, the positive effects on school discipline should be *tremendous*."

There was a brief pause, and then Dumbledore chuckled. "Minerva is thinking that you're righter than you have any right to be."

Harry's gaze jerked away from Dumbledore, down to the floor. "Are you reading *her* mind?"

"Common sense is often mistaken for Legilimency," said Dumbledore. "I shall talk over this matter with Severus, and no apology will be required from you unless he apologizes as well. And now I declare this matter concluded, at least until lunchtime." He paused. "Although, Harry, I'm afraid that Minerva wished to speak with you about an additional matter. And that is not the result of any pressure on my part. Minerva, if you would?"

Minerva rose from her chair and almost fell. There was too much adrenaline in her blood, her heart was beating too fast.

"Fawkes," said Dumbledore, "accompany her, please."

"I don't—" she started to say.

Dumbledore shot her a look, and she fell silent.

The phoenix soared across the room like a smooth tongue of flame leaping out, and landed on her shoulder. She felt the warmth through her robes, all through her body.

"Please follow me, Mr. Potter," she said, firmly now, and they left through the door.

They stood on the rotating stairs, descending in silence.

Minerva didn't know what to say. She didn't know this person who stood beside her.

And Fawkes began to croon.

It was tender, and soft, like a fireplace would sound if it had melody, and it washed over Minerva's mind, easing, soothing, gentling what it touched...

"*What is that?*" Harry whispered beside her. His voice was unstable, wobbling, changing pitch.

"The song of the phoenix," said Minerva, not really aware of what she was saying, her attention was all on that strange quiet music. "It, too, heals."

Harry turned his face from her, but she caught a glimpse of something agonized.

The descent seemed to take a very long time, or maybe it was only that the music seemed to take a very long time, and when they stepped out through the gap where a gargoyles had been, she was holding Harry's hand firmly in hers.

As the gargoyles stepped back into place, Fawkes left her shoulder, and swooped to hover in front of Harry.

Harry stared at Fawkes like someone hypnotized by the ever-changing light of a fire.

"What am I to do, Fawkes?" whispered Harry. "I couldn't have protected them if I hadn't been angry."

The phoenix's wings continued flapping, it continued hovering in place. There was no sound but the beating of the wings. Then there was a flash like a fire flaring up and going out, and Fawkes was gone.

Both of them blinked, like waking up from a dream, or maybe like falling asleep again.

Minerva looked down.

Harry Potter's bright young face looked up at her.

"Are phoenixes people?" said Harry. "I mean, are they smart enough to count as people? Could I talk with Fawkes if I knew how?"

Minerva blinked hard. Then she blinked again. "No," Minerva said, her voice wavering. "Phoenixes are creatures of powerful magic. That magic gives their existence a weight of meaning which no simple animal could possess. They are fire, light, healing, rebirth. But in the end, no."

"Where can I get one?"

Minerva leaned down and hugged him. She hadn't meant to, but she didn't seem to have much choice in the matter.

When she stood up she found it hard to speak. But she had to ask. "What happened today, Harry?"

"I don't know the answers to any of the important questions either. Aside from that I'd really rather not think about it for a while."

Minerva took his hand in hers again, and they walked the rest of the way in silence.

It was only a short trip, since naturally the office of the Deputy was close to the office of the Headmaster.

Minerva sat behind her desk.

Harry sat in front of her desk.

"So," Minerva whispered. She would have given almost anything not to do this, or not to be the one who had to do it, or for it to be any time but right now. "There is a matter of school discipline. From which you are not exempt."

"Namely?" said Harry.

He didn't know. He hadn't figured it out yet. She felt her throat tighten. But there was work to be done and she would not shirk it.

"Mr. Potter," said Professor McGonagall, "I need to see your Time-Turner, please."

All the peace of the phoenix vanished from his face in an instant and Minerva felt like she had just stabbed him.

"No!" Harry said. His voice was panicked. "I need it, I won't be able to attend Hogwarts, I won't be able to sleep!"

"You'll be able to sleep," she said. "The Ministry has delivered the protective shell for your Time-Turner. I will enchant it to open only between the hours of 9PM and midnight."

Harry's face twisted. "But—but I—"

"Mr. Potter, how many times have you used the Time-Turner since Monday? How many hours?"

"I..." Harry said. "Hold on, let me add it up—" He glanced down at his watch.

Minerva felt a rush of sadness. She'd thought so. "It wasn't just two per day, then. I suspect that if I asked your dormmates, I would find that you were struggling to stay up long enough to go to sleep at a reasonable time, and waking up earlier and earlier every morning. Correct?"

Harry's face said everything she needed to know.

"Mr. Potter," she said gently, "there are students who cannot be entrusted with Time-Turners, because they become addicted to them. We give them a potion which lengthens their sleep cycle by the necessary amount, but they end up using the Time-Turner for more than just attending their classes. And so we must take them back. Mr. Potter, you have taken to using the Time-Turner as your solution to everything, often very foolishly so. You used it to get back a Remembrall. You vanished from a closet in a fashion apparent to other students, instead of going back after you were out and getting me or someone else to come and open the door."

From the look on Harry's face he hadn't thought of that.

"And more importantly," she said, "you should have simply sat in Professor Snape's class. And watched. And left at the end of class. As you would have done if you had not possessed a Time-Turner. There are some students who cannot be entrusted with Time-Turners, Mr. Potter. You are one of them. I am sorry."

"But I *need* it!" Harry blurted. "What if there are Slytherins threatening me and I have to escape? It keeps me *safe*—"

"Every other student in this castle runs the same risk, and I assure you that they survive. No student has died in this castle for fifty years. Mr. Potter, you will hand over your Time-Turner and do so now."

Harry's face twisted in agony, but he drew out the Time-Turner from under his robes and gave it to her.

From her desk, Minerva drew out one of the protective shells that had been sent to Hogwarts. She snapped the cover into place around the

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## DOMINANCE HIERARCHIES

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Time-Turner's turning hourglass, and then she laid her wand on the cover to complete the enchantment.

"*This isn't fair!*" Harry shrieked. "I saved half of Hogwarts from Professor Snape today, is it right that I be punished for it? I saw the look on your face, you *hated* what he was doing!"

Minerva didn't speak for a few moments. She was enchanting.

When she finished and looked up, she knew that her face was stern. Maybe it was the wrong thing to do. And then again maybe it was the right thing to do. There was an obstinate child in front of her, and that *didn't* mean the universe was broken.

"*Fair*, Mr. Potter?" she snapped. "I have had to file *two reports* with the Ministry on public use of a Time-Turner in *two successive days!* Be *extremely* grateful you were allowed to retain the Time-Turner even in restricted form! The Headmaster made a Floo call to plead with them personally and if you were not the Boy-Who-Lived even that would not have sufficed!"

Harry gaped at her.

She knew that he was seeing the angry face of Professor McGonagall.

Harry's eyes filled up with tears.

"I'm, sorry," he whispered, voice now choked and broken. "I'm sorry, to have, disappointed you..."

"I'm sorry too, Mr. Potter," she said sternly, and handed him the newly restricted Time-Turner. "You may go."

Harry turned and fled from her office, sobbing. She heard his feet pattering away down the hall, and then the sound cut off as the door swung closed.

"I'm sorry too, Harry," she whispered to the quiet room. "I'm sorry too."

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Fifteen minutes into lunch hour.

No one was speaking to Harry. Some of the Ravenclaws were shooting him looks of anger, others of sympathy, a few of the youngest students even had looks of admiration, but no one was talking to him. Even Hermione hadn't tried to come over.

Fred and George had gingerly stepped near. They hadn't said anything. The offer was clear, and its optionality. Harry had told them that he would come over when dessert started, no earlier. They had nodded and quickly walked away.

It was probably the utterly expressionless look on Harry's face that was doing it.

The others probably thought he was controlling anger, or dismay. They knew, because they'd seen Flitwick come and get him, that he'd been called to the Headmaster's office.

Harry was trying not to smile, because if he smiled, he would start laughing, and if he started laughing, he wouldn't stop until the nice people in white jackets came to haul him away.

It was too much. It was just all too much. Harry had almost gone over to the Dark Side, his dark side had done things that seemed in retrospect insane, his dark side had won an impossible victory that might have been real and might have been a pure whim of a crazy Headmaster, his dark side had protected his friends. He just couldn't handle it any more. He needed Fawkes to sing to him again. He needed to use the Time-Turner to go off and take a quiet hour to recover but that wasn't an option any more and the loss was like a hole in his existence but he couldn't think about that because then he might start laughing.

Twenty minutes. All the students who were going to eat lunch had arrived, almost none had departed.

The tapping of a spoon rang through the Great Hall.

"If I may have your attention please," Dumbledore said. "Harry Potter has something he would like to share with us."

Harry took a deep breath and got up. He walked over to the Head Table, with every eye staring at him.

Harry turned and looked out at the four tables.

It was becoming harder and harder not to smile, but Harry kept his face expressionless as he spoke his brief and memorized speech.

"The truth is sacred," Harry said tonelessly. "One of my most treasured possessions is a button which reads 'Speak the truth, even if your voice trembles'. This, then, is the truth. Remember that. I am not saying it because I am being forced to say it, I am saying it because it is true. What I did in Professor Snape's class was foolish, stupid, childish, and an inexcusable violation of the rules of Hogwarts. I disrupted the classroom and deprived my fellow students of their irreplaceable learning time. All because I failed to control my temper. I hope that not a single one of you will ever follow my example. I certainly intend to try never to follow it again."

Many of the students gazing at Harry now had solemn, unhappy looks upon their faces, such as one might see at a ceremony marking the loss of a fallen champion. At the younger parts of the Gryffindor table the look was almost universal.

Until Harry raised his hand.

He did not raise it high. That might have appeared preemptory. He certainly did not raise it toward Severus. Harry simply raised his hand to chest level, and softly snapped his fingers, a gesture that was seen more than heard. It was possible that most of the Head Table wouldn't see it at all.

This seeming gesture of defiance won sudden smiles from the younger students and Gryffindors, and coldly superior sneers from Slytherin, and frowns and worried looks from all others.

Harry kept his face expressionless. "Thank you," he said. "That's all."

"Thank you, Mr. Potter," said the Headmaster. "And now Professor Snape has something to share with us as well."

Severus smoothly stood up from his place at the Head Table. "It has been brought to my attention," he said, "that my own actions played a part in provoking the admittedly inexcusable anger of Mr. Potter, and in the ensuing discussion I realized that I had forgotten how easily injured are the feelings of the young and immature—"

There was the sound of many people emitting muffled chokes at the same time.

Severus continued as if he had not heard. "The Potions classroom is a dangerous place, and I still feel that strict discipline is necessary, but

henceforth I will be more aware of the... emotional fragility... of students in their fourth year and younger. My deduction of points from Ravenclaw still stands, but I will revoke Mr. Potter's detention. Thank you."

There was a single clap from the direction of Gryffindor and faster than lightning Severus's wand was in his hand and "*Quietus!*" silenced the offender.

"I will still demand discipline and respect in *all* my classes," Severus said coldly, "and anyone who trifles with me will regret it."

He sat down.

"Thank you too!" Headmaster Dumbledore said cheerfully. "Carry on!"

And Harry, still expressionless, began to walk back to his seat in Ravenclaw.

There was an explosion of conversation. Two words were clearly identifiable in the beginning. The first was an initial "What—" beginning many different sentences such as "What just happened—" and "What the hell—" The second was "*Scourgify!*" as students cleaned up the dropped food and spit-out drinks from themselves, the tablecloth, and each other.

Some students were weeping openly. So was Professor Sprout.

At the Gryffindor table, where a cake waited with fifty-one unlit candles, Fred whispered, "I think we may be out of our league here, George."

And from that day onward, no matter what Hermione tried to tell anyone, it would be an accepted legend of Hogwarts that Harry Potter could make absolutely anything happen by snapping his fingers.



## CHAPTER EIGHTEEN

# DELAYED GRATIFICATION

Draco had a stern expression on his face, and his green-trimmed robes somehow looked far more formal, serious, and well-turned-out than the same exact robes as worn by the two boys behind him.

"Talk," said Draco.

"Yeah! Talk!"

"You heard da boss! Talk!"

"You two, on the other hand, *shut up*."

The last session of classes on Friday was about to start, in that vast auditorium where all four Houses learned Defense, er, Battle Magic.

The last session of classes on Friday.

Harry was hoping that this class would be non-stressful, and that the brilliant Professor Quirrell would realize this was perhaps not the best time to single out Harry for anything. Harry had recovered a little, but...

...but just in case, it was probably best to get in a bit of stress relief first.

Harry leaned back in his chair and bestowed a look of great solemnity upon Draco and his minions.

"You ask, what is our aim?" Harry declaimed. "I can answer in one word. It is victory. Victory at all costs—Victory in spite of all terrors—Victory, however long and hard the road may be, for without victory there is no—"

"Talk about *Snape*," Draco hissed. "*What did you do?*"

Harry wiped away the fake solemnity and gave Draco a more serious look.

"You saw it," Harry said. "Everyone saw it. I snapped my fingers."

"Harry! Stop teasing me!"

So he'd been promoted to *Harry* now. Interesting. And in fact Harry was fairly sure that he was meant to notice that, and feel bad if he didn't respond somehow...

Harry tapped his ears and gave a significant glance at the minions.

"They won't talk," said Draco.

"Draco," Harry said, "I'm going to be one hundred percent honest here and say that yesterday I was not particularly impressed with Mr. Goyle's cunning."

Mr. Goyle winced.

"Me neither," said Draco. "I explained to him that I ended up owing you a favor because of it." (Mr. Goyle winced again.) "But there is a big difference between that sort of mistake and being indiscreet. That really is something they've been trained from childhood to understand."

"All right then," Harry said. He lowered his voice, even though the background noises had gone to blurs in Draco's presence. "I deduced one of Severus's secrets and did a bit of blackmail."

Draco's expression hardened. "Good, now tell me something you didn't tell in strict confidence to the idiots in Gryffindor, meaning that was the story you *wanted* to get all over the school."

Harry grinned involuntarily and he knew that Draco had caught it.

"What is Severus saying?" Harry said.

"That he hadn't realized how sensitive the feelings of young children were," Draco said. "Even in Slytherin! Even to *me*!"

"Are you sure," Harry said, "that you want to know something your Head of House would rather you not know?"

"Yes," Draco said without hesitation.

*Interesting.* "Then you really are going to send your minions away first, because I'm not sure I can believe everything you believe about them."

Draco nodded. "Okay."

Mr. Crabbe and Mr. Goyle looked *very* unhappy. "Boss—" said Mr. Crabbe.

"You've given Mr. Potter no reason to trust you," Draco said. "Go!"

They left.

"In particular," Harry said, lowering his voice even further, "I'm not *entirely* sure that they wouldn't just report what I said to Lucius."

"Father wouldn't *do* that!" Draco said, looking genuinely aghast. "They're *mine*!"

"I'm sorry, Draco," Harry said. "I'm just not sure I can believe everything you believe about your father. Imagine it was your secret and me telling you my father wouldn't do that."

Draco nodded slowly. "You're right. *I'm* sorry, Harry. It was wrong of me to ask it of you."

*How did I get this promoted? Shouldn't he hate me now?* Harry had the feeling he was looking at something exploitable... he just wished his brain wasn't so exhausted. Ordinarily he would have loved to try his hand at some complicated plotting.

"Anyway," Harry said. "Trade. I tell you a fact that isn't on the grapevine, and does not *go* on the grapevine, and in *particular* does not go to your father, and in return you tell me what you and Slytherin think about the whole business."

"Deal!"

Now to make this as vague as possible... something that wouldn't hurt much even if it did get out... "What I said was true. I did discover one of Severus's secrets, and I did do some blackmail. But Severus wasn't the only person involved."

"*I knew it!*" Draco said exultantly.

Harry's stomach sank. He had apparently said something very significant and he did not know why. This was not a good sign.

"All right," Draco said. He was grinning widely now. "So here's what the reaction was like in Slytherin. First, all the idiots were like, 'We hate Harry Potter! Let's go beat him up!'"

Harry choked. "What is *wrong* with the Sorting Hat? That's not Slytherin, it's *Gryffindor*—"

"Not all children are prodigies," Draco said, though he was smiling in a sort of nasty-conspiratorial way, as though to suggest that he privately agreed with Harry's opinion. "And it took around fifteen seconds for someone to explain to them why this might not be such a favor to Snape, so you're fine. Anyway, after that was the second wave of idiots, the ones who were saying, 'Looks like Harry Potter was just another do-gooder after all.'"

"And then?" Harry said, smiling even though he had no idea why *that* was stupid.

"And then the actual smart people started talking. It's obvious that you found a way to put a *lot* of pressure on Snape. And while that could be more than one thing... the obvious *next* thought is that it has something to do with Snape's unknown hold over Dumbledore. Am I right?"

"No comment," Harry said. At least his brain was processing this part correctly. House Slytherin *had* wondered why Severus wasn't getting fired. And they'd concluded that Severus was blackmailing Dumbledore. Could that actually be true...? But Dumbledore hadn't seemed to act like it...

Draco went on talking. "And the *next* thing the smart people pointed out was that if you could put enough pressure on Snape to make him leave half of Hogwarts alone, that meant you probably had enough power to get rid of him entirely, if you wanted. What you did to him was a humiliation, just the same way he tried to humiliate you—but you left us our Head of House."

Harry made his smile wider.

"And then the *really* smart people," Draco said, his face now serious, "went off and had a little discussion by themselves, and someone pointed out that it would be a very stupid thing to leave an enemy around like that. If you could break his hold over Dumbledore, the obvious thing would be to just do it. Dumbledore would kick Snape out of Hogwarts and maybe even have him killed, he'd be *very* grateful to you, and you wouldn't have to worry about Snape sneaking into your dorm room at night with interesting potions."

Harry's face was now neutral. He had not thought of that and he really, really should have. "And from this you concluded...?"

"Snape's hold was some secret of Dumbledore's and *you've got the secret!*" Draco was looking exultant. "It can't be powerful enough to destroy Dumbledore entirely, or Snape would have used it by now. Snape refuses to use his hold for anything except staying king of Slytherin House in Hogwarts, and he doesn't always get what he wants even then, so it must have limits. But it's *got* to be really good! Father's been trying to get Snape to tell him for *years!*"

"And," Harry said, "now Lucius thinks maybe *I* can tell him. Did you already get an owl—"

"I will tonight," Draco said, and laughed. "It will say," his voice took on a different, more formal cadence, "*My beloved son: I've already told you of Harry Potter's potential importance. As you have already realized, his importance has now become greater and more urgent. If you see any possible avenue of friendship or point of pressure with him, you must pursue it, and the full resources of Malfoy are at your disposal if needed.*"

Gosh. "Well," Harry said, "not commenting on whether or not your whole complicated edifice of theory is true, let me just say that we are not quite such good friends as yet."

"I know," Draco said. Then his face turned *very* serious, and his voice grew quiet even within the blur. "Harry, has it occurred to you that if you know something Dumbledore doesn't want known, Dumbledore might simply have you killed? And it would turn the Boy-Who-Lived from a potential competing leader into a valuable martyr, too."

"No comment," Harry said yet again. He hadn't thought of that last part, either. Didn't *seem* to be Dumbledore's style... but...

"Harry," Draco said, "you've obviously got *incredible* talent, but you've got no training and no mentors and you do stupid things sometimes and *you really need an advisor who knows how to do this or you're going to get hurt!*" Draco's face was fierce.

"Ah," Harry said. "An advisor like Lucius?"

"Like *me!*" said Draco. "I'll promise to keep your secrets from Father, from *everyone*, I'll just help you figure out whatever you want to do!"

Wow.

Harry saw that zombie-Quirrell was staggering in through the doors.

"Class is about to start," said Harry. "I'll think about what you said, there's lots of times I *do* wish I had all your training, it's just I don't know how I can trust you so quickly—"

"You shouldn't," Draco said, "it's too soon. See? I'll give you good advice even if it hurts me. But we should maybe *hurry up* and become closer friends."

"I'm open to that," said Harry, who was already trying to figure out how to exploit it.

"Another bit of advice," Draco said hurriedly as Quirrell slouched toward his desk, "right now everyone in Slytherin's wondering about you, so if you're courting us, which I think you are, you should do something that signals friendship to Slytherin. *Soon*, like today or tomorrow."

"Letting Severus go on awarding extra House points to Slytherin wasn't enough?" No reason Harry couldn't take credit for it.

Draco's eyes flickered with realization, then he said rapidly, "It's not the same, trust me, it's got to be something obvious. Push your mudblood rival Granger into a wall or something, everyone in Slytherin will know what that means—"

"That is *not* how it works in Ravenclaw, Draco! If you have to push someone into a wall it means your brain is too *weak* to beat them the right way and everyone in Ravenclaw *knows that*—"

The screen on Harry's desk flickered on, provoking a sudden wash of nostalgia for television and computers.

"Ahem," said Professor Quirrell's voice, seeming to speak personally to Harry out of the screen. "Please take your seats."

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And the children were all seated and staring at the repeater screens on their desks, or looking down directly at the great white marble stage where Professor Quirrell stood, leaning on his desk atop the small dais of darker marble.

"Today," said Professor Quirrell, "I had planned to teach you your first defensive spell, a small shield that was the ancestor of today's *Protego*. But on second thought I have changed today's lesson plan in the light of recent events."

Professor Quirrell's gaze searched the rows of seats. Harry winced from where he was sitting, in the back row. He had a feeling he knew who was about to be called on.

"Draco, of the Noble and Most Ancient House of Malfoy," said Professor Quirrell.

Whew.

"Yes, Professor?" said Draco. His voice was amplified, seeming to come from the repeater screen on Harry's desk, which showed Draco's face as he spoke. Then the screen shifted back to Professor Quirrell, who said:

"Is it your ambition to become the next Dark Lord?"

"That's an odd question, Professor," said Draco. "I mean, who'd be dumb enough to admit it?"

A few students laughed, but not many.

"Indeed," said Professor Quirrell. "So while there's no point in asking any of you, it would not surprise me in the slightest if there were a student or two in my classes who harbored ambitions of being the next Dark Lord. After all, *I* wanted to be the next Dark Lord when *I* was a young Slytherin."

This time the laughter was much more widespread.

"Well, it *is* the House of the ambitious, after all," Professor Quirrell said, smiling. "I didn't realize until later that what I really enjoyed was Battle Magic, and that my true ambition was to become a great fighting wizard and someday teach at Hogwarts. In any case, when I was thirteen years old, I read through the historical sections of the Hogwarts library, scrutinizing the lives and fates of past Dark Lords, and I made a list of all the mistakes that *I* would never make when *I* was a Dark Lord—"

Harry giggled before he could stop himself.

"Yes, Mr. Potter, very amusing. So, Mr. Potter, can you guess what was the very first item on that list?"

*Great.* "Um... never use a complicated way of dealing with an enemy when you can just Abracadabra them?"

"The *term*, Mr. Potter, is *Avada Kedavra*," Professor Quirrell's voice sounded a bit sharp for some reason, "and no, that was *not* on the list I made at age thirteen. Would you care to guess again?"

"Ah... never brag to anyone about your evil master plan?"

Professor Quirrell laughed. "Ah, now *that* was number two. My, Mr. Potter, have we been reading the same books?"

There was more laughter, with an undertone of nervousness. Harry clenched his jaw tightly shut and said nothing. A denial would accomplish nothing.

"But no. The *first* item was, 'I will not go around provoking strong, vicious enemies.' The history of the world would be very different if Mornelithe Falconsbane or Hitler had grasped that elementary point. Now *if*, Mr. Potter—just *if* by some chance you harbor an ambition similar to the one I held as a young Slytherin—even so, I hope it is not your ambition to become a *stupid* Dark Lord."

"Professor Quirrell," Harry said, gritting his teeth, "I am a *Ravenclaw* and it is not my ambition to be stupid, period. I know that what I did today was dumb. But it wasn't *Dark*! I was *not* the one who threw the first punch in that fight!"

"You, Mr. Potter, are an idiot. But then so was I at your age. Thus I anticipated your answer and altered today's lesson plan accordingly. Mr. Gregory Goyle, if you would come forward, please?"

There was a surprised pause in the classroom. Harry hadn't been expecting that.

Neither, from the looks of it, had Mr. Goyle, who looked rather uncertain and worried as he mounted the marble stage and approached the dais.

Professor Quirrell straightened from where he was leaning on the desk. He looked suddenly stronger, and his hands formed fists and he drew himself up into a clearly recognizable martial arts stance.

Harry's eyes widened at the sight, and he realized why Mr. Goyle had been called up.

"Most wizards," Professor Quirrell said, "do not bother much with what a Muggle would term martial arts. Is not a wand stronger than a fist? This attitude is stupid. Wands are held in fists. If you want to be a great fighting wizard you *must* learn martial arts to a level which would impress even a Muggle. I will now demonstrate a certain vitally important technique, which I learned in a *dojo*, a Muggle school of martial arts, of which I shall speak more shortly. For now..." Professor Quirrell took several steps forward, still in stance, advancing on where Mr. Goyle stood. "Mr. Goyle, I will ask you to attack me."

"Professor Quirrell," said Mr. Goyle, his voice now amplified as the professor's was, "can I ask what level—"



"Sixth *dan*. You will not be hurt and neither will I. And if you see an opening, please take it."

Mr. Goyle nodded, looking much relieved.

"Note," Professor Quirrell said, "that Mr. Goyle was afraid to attack someone who did not know martial arts to an acceptable level, for fear that I, or he, would be hurt. Mr. Goyle's attitude is exactly correct and he has earned three Quirrell points for it. Now, fight!"

The young boy blurred forward, fists flying, and the Professor blocked every blow, dancing backward, Quirrell kicked and Goyle blocked and spun and tried to trip Quirrell with a sweeping leg and Quirrell hopped over it and it was all happening too fast for Harry to make sense of what was going on and then Goyle was on his back with his legs pushing and Quirrell was actually *flying through the air* and then he hit the ground shoulder first and rolled.

"Stop!" cried Professor Quirrell from the ground, sounding a little panicked. "You win!"

Mr. Goyle pulled up so sharply he staggered, almost tripping and falling from the aborted momentum of his headlong charge toward Professor Quirrell. His face showed utter shock.

Professor Quirrell arched his back and bounced to his feet using a peculiar springing motion that made no use of his hands.

There was a silence in the classroom, a silence born of total confusion.

"Mr. Goyle," said Professor Quirrell, "what vitally important technique did I demonstrate?"

"How to fall correctly when someone throws you," said Mr. Goyle. "It's one of the very first lessons you learn—"

"That too," said Professor Quirrell.

There was a pause.

"The vitally important technique which I demonstrated," said Professor Quirrell, "was how to lose. You may go, Mr. Goyle, thank you."

Mr. Goyle walked off the platform, looking rather bewildered. Harry felt the same way.

Professor Quirrell walked back to his desk and resumed leaning on it. "Sometimes we forget the most basic things, since it has been too long since we learned them. I realized I had done the same with my own lesson

plan. You do not teach students to throw until you have taught them to fall. And I must not teach you to fight if you do not understand how to lose.”

Professor Quirrell’s face hardened, and Harry thought he saw a hint of pain, a touch of sorrow, in those eyes. “I learned how to lose in a *dojo* in Asia, which, as any Muggle knows, is where all the good martial artists live. This *dojo* taught a style which had a reputation among fighting wizards as adapting well to magical dueling. The Master of that *dojo*—an old man by Muggle standards—was that style’s greatest living teacher. He had no idea that magic existed, of course. I applied to study there, and was one of the few students accepted that year, from among many contenders. There might have been a tiny bit of special influence involved.”

There was some laughter in the classroom. Harry didn’t share it. That hadn’t been right at all.

“In any case. During one of my first fights, after I had been beaten in a particularly humiliating fashion, I lost control and attacked my sparring partner—”

*Yikes.*

“—thankfully with my fists, rather than my magic. The Master, surprisingly, did not expel me on the spot. But he told me that there was a flaw in my temperament. He explained it to me, and I knew that he was right. And then he said that I would learn how to lose.”

Professor Quirrell’s face was expressionless.

“Upon his strict orders, all of the students of the *dojo* lined up. One by one, they approached me. I was *not* to defend myself. I was only to beg for mercy. One by one, they slapped me, or punched me, and pushed me to the ground. Some of them spat on me. They called me awful names in their language. And to each one, I had to say, ‘I lose!’ and similar such things, such as ‘I beg you to stop!’ and ‘I admit you’re better than me!’”

Harry was trying to imagine this and simply failing. There was no way something like that could have happened to the dignified Professor Quirrell.

“I was a prodigy of Battle Magic even then. With wandless magic alone I could have killed everyone in that *dojo*. I did not do so. I learned to lose. To this day I remember it as one of the most unpleasant hours

of my life. And when I left that dojo eight months later—which was not nearly enough time, but was all I could afford to spend—the Master told me that he hoped I understood why that had been necessary. And I told him that it was one of the most valuable lessons I had ever learned. Which was, and is, true.”

Professor Quirrell’s face turned bitter. “You are wondering where this marvelous *dojo* is, and whether you can study there. You cannot. For not long afterward, another would-be student came to that hidden place, to that remote mountain. He-Who-Must-Not-Be-Named.”

There was the sound of many breaths being drawn in simultaneously. Harry felt sick to his stomach. He knew what was coming.

“The Dark Lord came to that school openly, without disguise, glowing red eyes and all. The students tried to bar his way and he simply Apparated through. There was terror there, but discipline, and the Master came forth. And the Dark Lord demanded—not asked, but demanded—to be taught.”

Professor Quirrell’s face was very hard. “Perhaps the Master had read too many books telling the lie that a true martial artist could defeat even demons. For whatever reason, the Master refused. The Dark Lord asked why he could not be a student. The Master told him he had no patience, and that was when the Dark Lord ripped his tongue out.”

There was a collective gasp.

“You can guess what happened next. The students tried to rush the Dark Lord and fell over, stunned where they stood. And then...”

Professor Quirrell’s voice faltered for a moment, then resumed.

“There is an Unforgiveable Curse, the Cruciatus Curse, which produces unbearable pain. If the Cruciatus is extended for longer than a few minutes it produces permanent insanity. One by one, the Dark Lord Crucioed the Master’s students into insanity, and then finished them off with the Killing Curse, while the Master was forced to watch. When all his students had died in this way, the Master followed. I learned this from the single surviving student, whom the Dark Lord had left alive to tell the tale, and who had been a friend of mine...”

Professor Quirrell turned away, and when he turned back a moment later, he once again seemed calm and composed.

"Dark Wizards cannot keep their tempers," Professor Quirrell said quietly. "It is a nearly universal flaw of the species, and anyone who makes a habit of fighting them soon learns to rely on it. Understand that the Dark Lord did *not* win that day. His goal was to learn martial arts, and yet he left without a single lesson. The Dark Lord was foolish to wish that story retold. It did not show his strength, but rather an exploitable weakness."

Professor Quirrell's gaze focused on a single child in the classroom.

"Harry Potter," Professor Quirrell said.

"Yes," Harry said, his voice hoarse.

"What *precisely* did you do wrong today, Mr. Potter?"

Harry felt like he was going to throw up. "I lost my temper."

"That is *not* precise," said Professor Quirrell. "I will describe it more exactly. There are many animals which have what are called dominance contests. They rush at each other with horns—trying to knock each other down, not gore each other. They fight with their paws—with claws sheathed. But why with their claws sheathed? Surely, if they used their claws, they would stand a better chance of winning? But then their enemy might unsheathe their claws as well, and instead of resolving the dominance contest with a winner and a loser, both of them might be severely hurt."

Professor Quirrell gaze seemed to come straight out at Harry from the repeater screen. "What you demonstrated today, Mr. Potter, is that—unlike those animals who keep their claws sheathed and accept the results—you do not know how to lose a dominance contest. When a *Hogwarts professor* challenged you, you did not back down. When it looked like you might lose, you unsheathed your claws, heedless of the danger. You *escalated*, and then you escalated *again*. It started with a slap at you from Professor Snape, who was obviously dominant over you. Instead of losing, you slapped back and lost ten points from Ravenclaw. Soon you were talking about leaving Hogwarts. The fact that you escalated even further in some unknown direction, and somehow won at the end, does not change the fact that you are an idiot."

"I understand," Harry said. His throat was dry. That *had* been precise. *Frighteningly* precise. Now that Professor Quirrell had said it, Harry

could see in hindsight that it was an *exactly* accurate description of what had happened. When someone's model of you was that good, you had to wonder whether they were right about other things too, like your intent to kill.

"The *next* time, Mr. Potter, that you choose to escalate a contest rather than lose, you may lose *all* the stakes you place on the table. I cannot guess what they were today. I can guess that they were far, far too high for the loss of ten House points."

Like the fate of magical Britain. That was what he'd done.

"You will protest that you were trying to help all of Hogwarts, a much more important goal worthy of great risks. That is a *lie*. If you had been—"

"I would have taken the slap, waited, and picked the best possible time to make my move," Harry said, his voice hoarse. "But that would have meant *losing*. Letting him be dominant over me. It was what the Dark Lord couldn't do with the Master he wanted to learn from."

Professor Quirrell nodded. "I see that you have understood perfectly. And so, Mr. Potter, today you are going to learn how to lose."

"I—"

"I will not hear any objections, Mr. Potter. It is evident both that you need this and that you are strong enough to take it. I assure you that your experience will not be so harsh as what I went through, though you may well remember it as the worst fifteen minutes of your young life."

Harry swallowed. "Professor Quirrell," he said in a small voice, "can we do this some other time?"

"No," Professor Quirrell said simply. "You are five days into your Hogwarts education and already this has happened. Today is Friday. Our *next* defense class is on Wednesday. Saturday, Sunday, Monday, Tuesday, Wednesday... No, we do *not* have time to wait."

There were a few laughs at this, but very few.

"Please consider it an order from your professor, Mr. Potter. What I would like to say is that otherwise I will not teach you any offensive spells, because I would then hear that you had severely hurt or even killed someone. Unfortunately I am told that your fingers are already powerful weapons. Do not snap them at any time during this lesson."

More scattered laughter, sounding rather nervous.

Harry felt like he might cry. "Professor Quirrell, if you do anything like what you talked about, it's going to make me angry, and I really would rather not get angry again today—"

"The point is *not* to avoid getting angry," Professor Quirrell said, his face looking grave. "Anger is natural. You need to learn how to lose even when you are angry. Or at least *pretend* to lose so that you can *plan* your vengeance. As I did with Mr. Goyle today, unless of course any of you think he really is better—"

"I'm not!" shouted Mr. Goyle from his desk, sounding a little frantic. "I know you didn't really lose! Please don't plan any vengeance!"

Harry felt sick to his stomach. Professor Quirrell didn't know about his mysterious dark side. "Professor, we really need to talk about this after class—"

"We will," Professor Quirrell said in the tones of a promise. "After you learn how to lose." His face was serious. "It should go without saying that I will exclude anything which could injure you or even cause you significant pain. The pain will come from the difficulty of losing, instead of fighting back and escalating the battle until you win."

Harry's breath was coming in short, panicky pants. He was more frightened than he'd been after leaving the Potions classroom. "Professor Quirrell," he managed to say, "I don't want you to get fired over this—"

"I will not be," Professor Quirrell said, "if *you* tell them afterward that it was necessary. And this I trust you to do." For a moment Professor Quirrell's voice turned very dry. "Believe me, they have tolerated worse in their hallways. This case will be exceptional only in that it happens within a classroom."

"Professor Quirrell," Harry whispered, but he thought his voice was still being repeated everywhere, "do you really believe that if I don't do this, I might hurt someone?"

"Yes," Professor Quirrell said simply.

"Then," Harry felt nauseous, "I'll do it."

Professor Quirrell turned to regard the Slytherins. "So... with the full approval of your teacher, and in such a fashion that Snape cannot be blamed for your actions... do any of you wish to show your dominance

over the Boy-Who-Lived? Shove him around, push him to the ground, hear him beg for your mercy?"

Five hands went up.

"Everyone with your hand raised, you are an absolute idiot. What part of *pretending* to lose did you not understand? If Harry Potter does become the next Dark Lord he will hunt you down and kill you after he graduates."

The five hands dropped abruptly back to their desks.

"I won't," Harry said, his voice coming out rather weakly. "I swear never to take vengeance upon those who help me learn to lose. Professor Quirrell... would you *please*... stop that?"

Professor Quirrell sighed. "I *am* sorry, Mr. Potter. I realize that you must find this equally annoying whether you intend to become a Dark Lord or not. But those children *also* had an important life lesson to learn. Would it be acceptable if I awarded you a Quirrell point in apology?"

"Make it two," Harry said.

There was a current of surprised laughter, defusing some of the tension.

"Done," Professor Quirrell said.

"And after I graduate I'm going to hunt you down and *tickle* you."

There was more laughter, although Professor Quirrell didn't smile.

Harry felt like he was wrestling an anaconda, trying to force the conversation through the narrow course that would make people realize he wasn't a Dark Lord after all... *why* was Professor Quirrell so suspicious of him?

"Professor," said Draco's unamplified voice. "It is also not my own ambition to become a stupid Dark Lord."

There was a shocked silence in the classroom.

*You don't have to do this!* Harry almost blurted out loud, but checked himself in time; Draco might not wish it known that he was doing this out of friendship for Harry... or out of the desire to appear friendly...

Calling *that* a *desire to appear friendly* made Harry feel small, and mean. If Draco had intended to impress him, it was working perfectly.

Professor Quirrell was regarding Draco gravely. "*You* worry that you cannot pretend to lose, Mr. Malfoy? That this flaw which describes Mr. Potter also describes you? *Surely* your father taught you better."

"When it comes to talking, maybe," said Draco, now on the repeater screen. "Not when it comes to being shoved around and pushed to the ground. I want to be fully as strong as you, Professor Quirrell."

Professor Quirrell's eyebrows went up and stayed up. "I am afraid, Mr. Malfoy," he said after a time, "that the arrangements I made for Mr. Potter, involving some older Slytherins who will be told *afterward* how stupid they were, would not carry over onto you. But it is my professional opinion that you are already very strong. Should I hear that you have failed, as Mr. Potter failed today, I will make the appropriate arrangements and apologize to you and whomever you have hurt. I do not think this will be necessary, however."

"I understand, professor," said Draco.

Professor Quirrell looked over the class. "Does anyone else wish to become strong?"

Some students glanced around nervously. Some, Harry thought from his back row, looked like they were opening their mouths but not saying anything. In the end, no one spoke.

"Draco Malfoy will be one of the generals of your year's armies," said Professor Quirrell, "should he deign to engage in that after-school activity. And now, Mr. Potter, please come forward."

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*Yes, Professor Quirrell had said, it must be in front of everyone, in front of your friends, because that is where Snape confronted you and that is where you must learn to lose.*

So now the first year watched. In magically enforced silence, and with requests from both Harry and the professor not to intervene. Hermione had her face turned away, but she hadn't spoken out or even given him any sort of significant look, maybe because she'd been there in Potions too.

Harry stood on a soft blue mat, such as might be found in a Muggle dojo, which Professor Quirrell had laid out upon the floor for when Harry was pushed down.



Harry was frightened of what he might do. If Professor Quirrell was right about his intent to kill...

Harry's wand lay on Professor Quirrell's desk, not because Harry knew any spells that could defend him, but because otherwise (Harry thought) he might have tried to jam it through someone's eye socket. His pouch lay there, now containing his protected but still potentially fragile Time-Turner.

Harry had pleaded with Professor Quirrell to Transfigure him some boxing gloves and lock them on his hands. Professor Quirrell had given him a look of silent understanding, and refused.

*I will not go for their eyes, I will not go for their eyes, I will not go for their eyes, it would be the end of my life in Hogwarts, I'll be arrested,* Harry chanted to himself, trying to hammer the thought into his brain, hoping it would stay there if his intent to kill took over.

Professor Quirrell returned, escorting thirteen older Slytherins of different years. Harry recognized one of them as the one he'd hit with a pie. Two others from that confrontation were also present. The one who'd said to stop, that they really shouldn't do this, was missing.

"I repeat," Professor Quirrell said, sounding very stern, "Potter is *not* to be really hurt. Any and all *accidents* will be treated as deliberate. Do you understand?"

The older Slytherins nodded, grinning.

"Then please feel free to take the Boy-Who-Lived down a few pegs," Professor Quirrell said, with a twisted smile that only the first-years understood.

By some form of mutual consent, the pie-target was at the front of the group.

"Potter," said Professor Quirrell, "meet Mr. Peregrine Derrick. He is better than you and he is about to show you that."

Derrick strode forward and Harry's brain screamed discordantly, he must not run away, he must not fight back—

Derrick stopped an arm's length away from Harry.

Harry wasn't angry yet, just frightened. And that meant he beheld a teenage boy fully half a meter taller than himself, with clearly defined muscles, facial hair, and a grin of terrible anticipation.

"Ask him not to hurt you," Professor Quirrell said. "Perhaps if he sees that you're pathetic enough, he'll decide that you're boring, and go away."

There was laughter from the watching older Slytherins.

"Please," Harry said, his voice faltering, "don't, hurt, me..."

"That didn't sound very sincere," said Professor Quirrell.

Derrick's smile widened. The clumsy imbecile was looking very superior and...

...Harry's blood temperature was dropping...

"Please don't hurt me," Harry tried again.

Professor Quirrell shook his head. "How in Merlin's name did you manage to make that sound like an insult, Potter? There is only one response you can possibly expect from Mr. Derrick."

Derrick stepped forward deliberately, and bumped into Harry.

Harry staggered back a few feet and, before he could stop himself, straightened up icily.

"Wrong," said Professor Quirrell, "wrong, wrong, wrong."

"You bumped into me, Potter," Derrick said. "Apologize."

"I'm sorry!"

"You don't *sound* sorry," said Derrick.

Harry's eyes widened in indignation, he *had* managed to make that sound pleading—

Derrick pushed him, hard, and Harry fell to the mat on his hands and knees.

The blue fabric seemed to waver in Harry's vision, not far away.

He was beginning to doubt Professor Quirrell's real motives in teaching this so-called *lesson*.

A foot rested on Harry's buttocks and a moment later Harry was pushed hard to the side, sending him sprawling on his back.

Derrick laughed. "This is *fun*," he said.

All he had to do was say it was over. And report the whole thing to the Headmaster's office. That would be the end of this *Defense Professor* and his ill-fated stay at Hogwarts and... Professor McGonagall would be angry about that, but...

(An image of Professor McGonagall's face flashed before his eyes, she didn't look angry, just sad—)

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## DELAYED GRATIFICATION

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"Now tell him that he's better than you, Potter," said Professor Quirrell's voice.

"You're, better, than, me."

Harry started to raise himself and Derrick put a foot on his chest and shoved him back down to the mat.

The world was becoming transparent as crystal. Lines of action and their consequences stretched out before him in utter clarity. The fool wouldn't be expecting him to strike back, a quick hit in the groin would stun him long enough for—

"Try again," said Professor Quirrell and with a sudden sharp motion Harry rolled and sprang to his feet and whirled on where stood his real enemy, the Defense Professor—

Professor Quirrell said, "You have no patience."

Harry faltered. His mind, well-honed in pessimism, drew a picture of a wizened old man with blood pouring from his mouth after Harry had ripped his tongue out—

A moment later, Derrick pushed Harry to the mat again and then sat down on him, sending Harry's breath whooshing out.

"Stop!" Harry screamed. "Please stop!"

"Better," said Professor Quirrell. "That even sounded sincere."

It *had* been. That was the horrible thing, the sickening thing, it *had* been sincere. Harry was panting rapidly, fear and cold anger both flushing through him—

"Lose," said Professor Quirrell.

"I, lose," Harry forced out.

"I like it," Derrick said from on top of him. "Lose some more."

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Hands shoved Harry, sending him stumbling across the circle of older Slytherins to another set of hands that shoved him again. Harry had long since passed the point of trying not to cry, and was now just trying not to fall down.

"What are you, Potter?" said Derrick.

"A, l-loser, I lose, I give up, you win, you're b-better, than me, please stop—"

Harry tripped over a foot and went crashing to the ground, hands not quite able to catch himself. He was dazed for a moment, then began struggling to his feet again—

"*Enough!*" said Professor Quirrell's voice, sounding sharp enough to cut iron. "Step away from Mr. Potter!"

Harry saw the surprised looks on their faces. The chill in his blood, which had been flowing and ebbing, smiled in cold satisfaction.

Then Harry collapsed to the mat.

Professor Quirrell talked. There were gasps from the older Slytherins.

"And I believe the scion of Malfoy has something he wants to explain to you as well," finished Professor Quirrell.

Draco's voice started talking. His voice sounded almost as sharp as professor Quirrell's, it had acquired the same cadence Draco had used to imitate his father, and it was saying things like *could have put Slytherin House in jeopardy* and *who knows how many allies in this school alone* and *total lack of awareness, never mind cunning and dull thugs, useful for nothing but lackeys* and something in Harry's hindbrain, despite everything he knew, was designating Draco as an ally.

Harry ached all over, was probably bruised, his body felt cold, his mind utterly exhausted. He tried to think of Fawkes's song, but without the phoenix present he couldn't remember the melody and when he tried to imagine it he couldn't seem to think of anything except a bird chirping.

Then Draco stopped talking and Professor Quirrell told the older Slytherins they were dismissed, and Harry opened his eyes and struggled to sit up, "Wait," Harry said, forcing the words out, "there's something, I want, to say, to them—"

"Wait on Mr. Potter," Professor Quirrell said coldly to the departing Slytherins.

Harry swayed to his feet. He was careful not to look in the direction of his classmates. He didn't want to see how they were looking at him now. He didn't want to see their pity.

So instead Harry looked at the older Slytherins, who still seemed to be in a state of shock. They stared back at him. Dread was on their faces.

His dark side, when it was in control, had held to the imagination of this moment, and went on pretending to lose.

Harry said, "No one will—"

"Stop," said Professor Quirrell. "If that's what I think it is, please wait until after they're gone. They'll hear about it later. We all have our lessons to learn, Mr. Potter."

"All right," Harry said.

"You. Go."

The older Slytherins fled and the door closed behind them.

"No one's to take any revenge on them," Harry said hoarsely. "That's a request to anyone who considers themselves my friend. I had my lesson to learn, they helped me learn it, they had their lesson to learn too, it's over. If you tell this story, make sure you tell that part too."

Harry turned to look at Professor Quirrell.

"You lost," said Professor Quirrell, his voice gentle for the first time. It sounded strange coming from the professor, like his voice shouldn't even be able to do that.

Harry *had* lost. There had been moments when the cold anger had faded entirely, replaced by fear, and during those moments he'd begged the older Slytherins and he'd meant it...

"And are you yet alive?" said Professor Quirrell, still with that strange gentleness.

Harry managed to nod.

"Not all losing is like this," said Professor Quirrell. "There are compromises and negotiated surrenders. There are other ways to placate bullies. There is a whole art form to manipulating others by letting them be dominant over you. But first, losing must be *thinkable*. Will you remember how you lost?"

"Yes."

"Will you be able to lose?"

"I... think so..."

"I think so too." Professor Quirrell bowed so low that his thin hair almost touched the floor. "Congratulations, Harry Potter, you win."

There was no single source, no first mover, the applause started all at once like a massive thunderclap.

Harry's couldn't keep the shock from his face. He risked a glance at his classmates, and he saw their faces showing not pity but awe. The applause was coming from Ravenclaw and Gryffindor and Hufflepuff and even Slytherin, probably because Draco Malfoy was applauding too. Some students were standing up from their chairs and half of Gryffindor was standing on their desks.

So Harry stood there, swaying, letting their respect wash over him, feeling stronger, and maybe even a little healed.

Professor Quirrell waited for the applause to die away. It took quite a while.

"Surprised, Mr. Potter?" Professor Quirrell said. His voice sounded amused. "You have just found out that the real world does not *always* work like your worst nightmares. Yes, if you had been some poor anonymous boy being abused, then they would probably have respected you less afterward, pitied you even as they comforted you from their loftier perches. That is human nature, I'm afraid. But *you* they already know for a figure of power. And they saw you confront your fear and keep confronting it, even though you could have walked away at any time. Did you think less of *me* when I told you that I had deliberately endured being spat upon?"

Harry felt a burning sensation in his throat and frantically clamped down. He didn't trust this miraculous respect enough to start crying again in front of it.

"Your *extraordinary* achievement in my class deserves an extraordinary reward, Harry Potter. Please accept it with my compliments on behalf of my House, and remember from this day forward that not all Slytherins are alike. There are Slytherins, and then there are Slytherins." Professor Quirrell was smiling quite broadly as he said this. "Fifty-one points to Ravenclaw."

There was a shocked pause and then pandemonium broke out among the Ravenclaw students, howling and whistling and cheering.

(And in the same moment Harry felt something *wrong* about that, Professor McGonagall had been right, there *should* have been consequences,

there should have been a cost and a price to be paid, you couldn't just put everything back the way it was like that—)

But Harry saw the elated faces in Ravenclaw and knew he couldn't possibly say no.

His brain made a suggestion. It was a good suggestion. Harry could not even believe his brain was still keeping him upright, let alone producing good suggestions.

"Professor Quirrell," Harry said, as clearly as he could through his burning throat. "You are everything a member of your House should be, and I think you must be just what Salazar Slytherin had in mind when he helped found Hogwarts. I thank you and your House," Draco was very slightly nodding and subtly turning his finger, *keep going*, "and I think this calls for three cheers for Slytherin. With me, everyone?" Harry paused. "Huzzah!" Only a few people managed to join in on the first try. "Huzzah!" This time most of Ravenclaw was in on it. "Huzzah!" That was almost all of Ravenclaw, a scattering of Hufflepuffs and around a quarter of Gryffindor.

Draco's hand moved into a small, quick, thumbs-up gesture.

Most of the Slytherins had expressions of sheer shock. A few were staring at Professor Quirrell in wonder. Blaise Zabini was looking at Harry with a calculating, intrigued expression.

Professor Quirrell bowed. "Thank you, Harry Potter," he said, still with that broad smile. He turned to the class. "Now, believe it or not, we still have half an hour left in this session, and that is enough to introduce the Simple Shield. Mr. Potter, of course, is going off and taking a well-earned rest."

"I can—"

"Idiot," Professor Quirrell said fondly. The class was already laughing. "Your classmates can teach you afterward, or I'll tutor you privately if that's what it takes. But *right now*, you're going through the third door from the left in the back of the stage, where you will find a bed, an assortment of exceptionally tasty snacks, and some extremely light reading from the Hogwarts library. You may not take anything else with you, particularly not your textbooks. Now go."

Harry went.





## CHAPTER NINETEEN

# BAYES'S THEOREM

Harry stared up at the gray ceiling of the small room, from where he lay on the portable yet soft bed that had been placed there. He'd eaten quite a lot of Professor Quirrell's snacks—intricate confections of chocolate and other substances, dusted with sparkling sprinkles and jeweled with tiny sugar gems, looking highly expensive and proving, in fact, to be quite tasty. Harry hadn't felt the least bit guilty about it either, *this* he had *earned*.

He hadn't tried to sleep. Harry had a feeling that he wouldn't like what happened when he closed his eyes.

He hadn't tried to read. He wouldn't have been able to focus.

Funny how Harry's brain just seemed to keep on running and running, never shutting down no matter how tired it got. It got stupider but it refused to *switch off*.

But there was, there really and truly was a feeling of triumph.

Anti-Dark-Lord-Harry program, +1 point didn't *begin* to cover it. Harry wondered what the Sorting Hat would say *now*, if he could put it on his head.

No wonder Professor Quirrell had accused Harry of heading down the path of a Dark Lord. Harry had been too slow on the uptake, he should have seen the parallel right away—

*Understand that the Dark Lord did not win that day. His goal was to learn martial arts, and yet he left without a single lesson.*

Harry had entered the Potions class with the intent to learn Potions. He'd left without a single lesson.

And Professor Quirrell had heard, and understood with frightening precision, and reached out and yanked Harry off that path, the path that led to his becoming a copy of You-Know-Who.

There was a knock at the door. "Classes are over," said Professor Quirrell's quiet voice.

Harry approached the door and found himself suddenly nervous. Then the tension diminished as he heard Professor Quirrell's footsteps moving away from the door.

*What on Earth is that about? Is it what's going to get him fired eventually?*

Harry opened the door, and saw that Professor Quirrell was now waiting several bodylengths away.

*Does Professor Quirrell feel it too?*

They walked across the now-deserted stage to Professor Quirrell's desk, which Professor Quirrell leaned on; and Harry, as before, stopped short of the dais.

"So," Professor Quirrell said. There was a friendly sense about him somehow, even though his face still kept its usual seriousness. "What was it you wanted to talk to me about, Mr. Potter?"

*I have a mysterious dark side.* But Harry couldn't just blurt it out like that.

"Professor Quirrell," Harry said, "am I off the path to becoming a Dark Lord, now?"

Professor Quirrell looked at Harry. "Mr. Potter," he said solemnly, with only a slight grin, "a word of advice. There is such a thing as a performance which is too perfect. Real people who have just been beaten and humiliated for fifteen minutes do not stand up and graciously forgive their enemies. It is the sort of thing you do when you're trying to convince everyone you're not Dark, not—"

*"I can't believe this! You can't have every possible observation confirm your theory!"*

"And that was a trifle too much indignation."

*"What on Earth do I have to do to convince you?"*

"To convince me that you harbor no ambitions of becoming a Dark Lord?" said Professor Quirrell, now looking outright amused. "I suppose you could just raise your right hand."

"What?" Harry said blankly. "But I can raise my right hand whether or not I—" Harry stopped, feeling rather stupid.

"Indeed," said Professor Quirrell. "You can just as easily do it either way. There is nothing you can do to convince me because I would know that was exactly what you were trying to do. And if we are to be even more precise, then while I suppose it is barely possible that perfectly good people exist even though I have never met one, it is nonetheless *improbable* that someone would be beaten for fifteen minutes and then stand up and feel a great surge of kindly forgiveness for his attackers. On the other hand it is *less* improbable that a young child would imagine this as the *role to play* in order to convince his teacher and classmates that he is not the next Dark Lord. The import of an act lies not in what that act *resembles on the surface*, Mr. Potter, but in the states of mind which make that act more or less probable."

Harry blinked. He'd just had the dichotomy between the representativeness heuristic and the Bayesian definition of evidence explained to him by a wizard.

"But then again," said Professor Quirrell, "anyone can want to impress their friends. That need not be Dark. So without it being any kind of admission, Mr. Potter, tell me honestly. What thought was in your mind at the moment when you forbade any vengeance? Was that thought a true impulse to forgiveness? Or was it an awareness of how your classmates would see the act?"

*Sometimes we make our own phoenix song.*

But Harry didn't say it out loud. It was clear that Professor Quirrell wouldn't believe him, and would probably respect him less for trying to utter such a transparent lie.

After a few moments of silence, Professor Quirrell smiled with satisfaction. "Believe it or not, Mr. Potter," said the professor, "you need not fear me for having discovered your secret. I am *not* going to tell you to give up on becoming the next Dark Lord. If I could turn back the hands of time and somehow remove that ambition from the mind of my child self, the self of this present time would not benefit from the alteration. For as long as I thought that was my goal, it drove me to study and learn and refine myself and become stronger. We become what we are meant

to be by following our desires wherever they lead. That is the insight of Salazar. Ask me to show you to the library section which holds those same books I read as a thirteen-year-old, and I will happily lead the way.”

“For the love of crap,” Harry said, and sat down on the hard marble floor, and then lay back on the floor, staring up at the distant arches of the ceiling. It was as close as he could come to collapsing in despair without hurting himself.

“Still too much indignation,” observed Professor Quirrell. Harry wasn’t looking but he could hear the suppressed laughter in the voice.

Then Harry realized.

“Actually, I think I know what’s confusing you here,” Harry said. “That was what I wanted to talk to you about, in fact. Professor Quirrell, I think that what you’re seeing is my mysterious dark side.”

There was a pause.

“Your... dark side...”

Harry sat up. Professor Quirrell was regarding him with one of the strangest expressions Harry had seen on anyone’s face, let alone anyone as dignified as Professor Quirrell.

“It happens when I get angry,” Harry explained. “My blood runs cold, everything gets cold, everything seems perfectly clear... In retrospect it’s been with me for a while—in my first year of Muggle school, someone tried to take away my ball during recess and I held it behind my back and kicked him in the solar plexus which I’d read was a weak point, and the other kids didn’t bother me after that. And I bit a math teacher when she wouldn’t accept my dominance. But it’s only just recently that I’ve been under enough stress to notice that it’s an actual, you know, mysterious dark side, and not just an anger management problem like the school psychologist said. And I don’t have any super magical powers when it happens, that was one of the first things I checked.”

Professor Quirrell rubbed his nose. “Let me think about this,” he said.

Harry waited in silence for a full minute. He used that time to stand up, which was more difficult than he had expected.

“Well,” Professor Quirrell said after a while. “I suppose there was something you could say that would convince me.”

"I *have* already guessed that my dark side is really just another part of me and that the answer isn't to never become angry but to learn to stay in control by accepting it, I'm not dumb or anything and I've seen this story enough times to know where it's going, but it's hard and you seem like the person to help me."

"Well... yes... very perspicacious of you, Mr. Potter, I must say... that side of you is, as you seem to have already surmised, your intent to kill, which as you say is a part of you..."

"And needs to be trained," Harry said, completing the pattern.

"And needs to be trained, yes." That strange expression was still on Professor Quirrell's face. "Mr. Potter, if you truly do not wish to be the next Dark Lord, then what was the ambition which the Sorting Hat tried to convince you to abandon, the ambition for which you were Sorted into Slytherin?"

"I was Sorted into *Ravenclaw*!"

"Mr. Potter," said Professor Quirrell, now with a much more usual-looking dry smile, "I know you are accustomed to everyone around you being a fool, but please do not mistake me for one of them. The likelihood that the Sorting Hat would play its first prank in eight hundred years while it was upon your head is so small as to not be worth considering. I suppose it is barely possible that you snapped your fingers and invented some simple and clever way to defeat the anti-tampering spells upon the Hat, though I myself can think of no such method. But by far the most probable explanation is that Dumbledore decided he was not happy with the Hat's choice for the Boy-Who-Lived. This is evident to anyone with the tiniest smidgin of common sense, so your secret is safe at Hogwarts."

Harry opened his mouth, then closed it again with a feeling of complete helplessness. Professor Quirrell was wrong, but wrong in such a convincing way that Harry was starting to think that it simply *was* the rational judgment given the evidence available to Professor Quirrell. There were times, never *predictable* times but still sometimes, when you would get improbable evidence and the best knowable guess would be wrong. If you had a medical test that was only wrong one time in a thousand, sometimes it would still be wrong anyway.

"Can I ask you never to repeat what I'm about to say?" said Harry.

"Absolutely," said Professor Quirrell. "Consider me asked."

Harry wasn't a fool either. "Can I consider you to have said yes?"

"Very good, Mr. Potter. You may indeed so consider."

"Professor Quirrell—"

"I won't repeat what you're about to say," Professor Quirrell said, smiling.

They both laughed, then Harry turned serious again. "The Sorting Hat did seem to think I was going to end up as a Dark Lord unless I went to Hufflepuff," Harry said. "But I don't *want* to be one."

"Mr. Potter..." said Professor Quirrell. "Don't take this the wrong way. I promise you will not be graded on the answer. I only want to know your own, honest reply. Why not?"

Harry had that *helpless* feeling again. *Thou shalt not become a Dark Lord* was such an obvious theorem in his moral system that it was hard to describe the actual proof steps. "Um, people would get hurt?"

"Surely you've wanted to hurt people," said Professor Quirrell. "You wanted to hurt those bullies today. Being a Dark Lord means that people you *want* to hurt get hurt."

Harry floundered for words and then decided to simply go with the obvious. "First of all, just because I want to hurt someone doesn't mean it's right—"

"What makes something right, if not your wanting it?"

"Ah," Harry said, "preference utilitarianism."

"Pardon me?" said Professor Quirrell.

"It's the ethical theory that the good is what satisfies the preferences of the most people—"

"No," Professor Quirrell said. His fingers rubbed the bridge of his nose. "I don't think that's quite what I was trying to say. Mr. Potter, in the end people all do what they want to do. Sometimes people give names like 'right' to things they want to do, but how could we possibly act on anything *but* our own desires?"

"Well, obviously," Harry said. "I couldn't *act* on moral considerations if they lacked the power to move me. But that doesn't mean my wanting

to hurt those Slytherins has the power to move me *more* than moral considerations!"

Professor Quirrell blinked.

"Not to mention," Harry said, "being a Dark Lord would mean that a lot of innocent bystanders got hurt too!"

"Why does that matter to you?" Professor Quirrell said. "What have they done for you?"

Harry laughed. "Oh, now *that* was around as subtle as *Atlas Shrugged*."

"Pardon me?" Professor Quirrell said again.

"It's a book that my parents wouldn't let me read because they thought it would corrupt me, so of course I read it anyway and I was offended they thought I would fall for any traps that obvious. Blah blah blah, appeal to my sense of superiority, other people are trying to keep me down, blah blah blah."

"So you're saying I need to make my traps less obvious?" said Professor Quirrell. He tapped a finger on his cheek, looking thoughtful. "I can work on that."

They both laughed.

"But to stay with the current question," said Professor Quirrell, "what *have* all these other people done for you?"

"Other people have done *huge* amounts for me!" Harry said. "My parents took me in when my parents died because they were *good people*, and to become a Dark Lord is to betray that!"

Professor Quirrell was silent for a time.

"I confess," said Professor Quirrell quietly, "when I was your age, that thought could not ever have come to me."

"I'm sorry," Harry said.

"Don't be," said Professor Quirrell. "It was long ago, and I resolved my parental issues to my own satisfaction. So you are held back by the thought of your parents' disapproval? Does that mean that if they died in an accident, there would be nothing left to stop you from—"

"No," Harry said. "Just no. It is their *impulse to kindness* which sheltered me. That impulse is not only in my parents. And that impulse is what would be betrayed."

"In any case, Mr. Potter, you have not answered my original question," said Professor Quirrell finally. "What is your ambition?"

"Oh," said Harry. "Um.." He organized his thoughts. "To understand everything important there is to know about the universe, apply that knowledge to become omnipotent, and use that power to rewrite reality because I have some objections to the way it works now."

There was a slight pause.

"Forgive me if this is a stupid question, Mr. Potter," said Professor Quirrell, "but are you *sure* you did not just confess to wanting to be a Dark Lord?"

"That's only if you use your power for evil," explained Harry. "If you use the power for good, you're a Light Lord."

"I see," Professor Quirrell said. He tapped his other cheek with a finger. "I suppose I can work with that. But Mr. Potter, while the scope of your ambition is worthy of Salazar himself, how exactly do you propose to go about it? Is step one to become a great fighting wizard, or Head Unspeakable, or Minister of Magic, or—"

"Step one is to become a scientist."

Professor Quirrell was looking at Harry as if he'd just turned into a cat.

"A scientist," Professor Quirrell said after a while.

Harry nodded.

"A *scientist*?" repeated Professor Quirrell.

"Yes," Harry said. "I shall achieve my objectives through the power... of *Science*!"

"A *scientist*!" said Professor Quirrell. There was genuine indignation on his face, and his voice had grown stronger and sharper. "You could be the best of all my students! The greatest fighting wizard to come out of Hogwarts in five decades! I cannot picture you wasting your days in a white lab coat doing pointless things to rats!"

"Hey!" said Harry. "There's more to science than that! Not that there's anything *wrong* with experimenting on rats, of course. But science is how you go about understanding and controlling the universe—"

"Fool," said Professor Quirrell, in a voice of quiet, bitter intensity. "You're a fool, Harry Potter." He passed a hand over his face, and when



that hand had passed, his face was calmer. "Or more likely you have not yet found your true ambition. May I strongly recommend that you try to become a Dark Lord instead? I will do anything I can to help as a matter of public service."

"You don't like science," Harry said slowly. "Why not?"

"Those fool Muggles will kill us all someday!" Professor Quirrell's voice had grown louder. "They will end it! End all of it!"

Harry was feeling a bit lost here. "What are we talking about here, nuclear weapons?"

"Yes, nuclear weapons!" Professor Quirrell was almost shouting now. "Even He-Who-Must-Not-Be-Named never used those, perhaps because he didn't want to rule over a heap of ash! They never should have been made! And it will only get worse with time!" Professor Quirrell was standing up straight instead of leaning on his desk. "There are gates you do not open, there are seals you do not breach! The fools who can't resist meddling are killed by the lesser perils early on, and the survivors all know that there are secrets you *do not share* with anyone who lacks the intelligence and the discipline to discover them for themselves! Every powerful wizard knows that! Even the most terrible Dark Wizards know that! And those idiot Muggles can't seem to figure it out! The eager little fools who discovered the secret of nuclear weapons didn't keep it to themselves, they told their *fool* politicians and now *we* must live under the constant threat of annihilation!"

This was a rather different way of looking at things than Harry had grown up with. It had never occurred to him that nuclear physicists should have formed a conspiracy of silence to keep the secret of nuclear weapons from anyone not smart enough to be a nuclear physicist. The thought was intriguing, if nothing else. Would they have had secret passwords? Would they have had masks?

(Actually, for all Harry knew, there *were* all sorts of incredibly destructive secrets which physicists kept to themselves, and the secret of nuclear weapons was the only one that had escaped into the wild. The world would look the same to him either way.)

"I'll have to think about that," Harry said to Professor Quirrell. "It's a new idea to me. And one of the *hidden* secrets of science, passed down

from a few rare teachers to their grad students, is how to avoid flushing new ideas down the toilet the instant you hear one you don't like."

Professor Quirrell blinked again.

"Is there any sort of science you *do* approve of?" said Harry. "Medicine, maybe?"

"Space travel," said Professor Quirrell. "But the Muggles seem to be dragging their feet on the one project which might have let wizardkind escape this planet before they blow it up."

Harry nodded. "I'm a big fan of the space program too. At least we have that much in common."

Professor Quirrell looked at Harry. Something flickered in the professor's eyes. "I will have your word, your promise and your oath never to speak of what follows."

"You have it," Harry said immediately.

"See to it that you keep your oath or you will not like the results," said Professor Quirrell. "I will now cast a rare and powerful spell, not on you, but on the classroom around us. Stand still, so that you do not touch the boundaries of the spell once it has been cast. You must not interact with the magic which I am maintaining. Look only. Otherwise I will end the spell." Professor Quirrell paused. "And try not to fall over."

Harry nodded, puzzled and anticipatory.

Professor Quirrell raised his wand and said something that Harry's ears and mind couldn't grasp at all, words that bypassed awareness and vanished into oblivion.

The marble in a short radius around Harry's feet stayed constant. All the other marble of the floor vanished, the walls and ceilings vanished.

Harry stood on a small circle of white marble in the midst of an endless field of stars, burning terribly bright and unwavering. There was no Earth, no Moon, no Sun that Harry recognized. Professor Quirrell stood in the same place as before, floating in the midst of the starfield. The Milky Way was already visible as a great wash of light and it grew brighter as Harry's vision adjusted to the darkness.

The sight wrenched at Harry's heart like nothing he had ever seen.

"Are we... in space...?"

"No," said Professor Quirrell. His voice was sad, and reverent. "But it is a true image."

Tears came into Harry's eyes. He wiped them away frantically, he would not miss this for some stupid water blurring his vision.

The stars were no longer tiny jewels set in a giant velvet dome, as they were in the night sky of Earth. Here there was no sky above, no surrounding sphere. Only points of perfect light against perfect blackness, an infinite and empty void with countless tiny holes through which shone the brilliance from some unimaginable realm beyond.

In space, the stars *looked* terribly, terribly, terribly far away.

Harry kept on wiping his eyes, over and over.

"Sometimes," Professor Quirrell said in a voice so quiet it almost wasn't there, "when this flawed world seems unusually hateful, I wonder whether there might be some other place, far away, where I should have been. I cannot seem to imagine what that place might be, and if I can't even imagine it then how can I believe it exists? And yet the universe is so very, very wide, and perhaps it might exist anyway? But the stars are so very, very far away. It would take a long, long time to get there, even if I knew the way. And I wonder what I would dream about, if I slept for a long, long time..."

Though it felt like sacrilege, Harry managed a whisper. "Please let me stay here awhile."

Professor Quirrell nodded, where he stood unsupported against the stars.

It was easy to forget the small circle of marble on which you stood, and your own body, and become a point of awareness which might have been still, or might have been moving. With all distances incalculable there was no way to tell.

There was a time of no time.

And then the stars vanished, and the classroom returned.

"I'm sorry," said Professor Quirrell, "but we're about to have company."

"It's fine," Harry whispered. "It was enough." He would never forget this day, and not because of the unimportant things that had happened

earlier. He would learn how to cast that spell if it was the last thing he ever learned.

Then the heavy oaken doors of the classroom blasted off their hinges and skittered across the marble floor with a high-pitched shriek.

*"QUIRINUS! HOW DARE YOU!"*

Like a vast thundercloud, an ancient and powerful wizard blew into the room, a look of such incandescent rage upon his face that the stern look he had earlier turned upon Harry seemed like nothing.

There was a wrench of disorientation in Harry's mind as the part that wanted to run away screaming from the scariest thing it had ever seen ran away, rotating into place a part of him which could take the shock.

None of Harry's facets were happy about having their star-gazing interrupted. "Headmaster Albus Percival—" Harry started to say in icy tones.

WHAM. Professor Quirrell's hand came down hard upon his desk. "Mr. Potter!" barked Professor Quirrell. "This is the *Headmaster of Hogwarts* and you are a mere student! You will address him appropriately!"

Harry looked at Professor Quirrell.

Professor Quirrell was giving Harry a stern glare.

Neither of them smiled.

Dumbledore's long strides had come to a halt before where Harry stood in front of the dais and Professor Quirrell stood by his desk. The Headmaster stared in shock at both of them.

"I'm sorry," Harry said in meekly polite tones. "Headmaster, thank you for wanting to protect me, but Professor Quirrell did the right thing."

Slowly, Dumbledore's expression changed from something that would vaporize steel into something merely angry. "I heard students saying that this man had you abused by older Slytherins! That he forbade you to defend yourself!"

Harry nodded. "He knew exactly what was wrong with me and he showed me how to fix it."

"Harry, *what are you talking about?*"

"I was teaching him how to lose," Professor Quirrell said dryly. "It's an important life skill."

It was apparent that Dumbledore still didn't understand, but his voice had lowered in register. "Harry..." he said slowly. "If there's any threat the Defense Professor has offered you to prevent you from complaining—"

*You lunatic, after today of all days do you really think I—*

"Headmaster," Harry said, trying to look abashed, "what's wrong with me isn't that I keep quiet about abusive professors."

Professor Quirrell chuckled. "Not perfect, Mr. Potter, but good enough for your first day. Headmaster, did you stay long enough to hear about the fifty-one points for Ravenclaw, or did you storm out as soon as you heard the first part?"

A brief look of disconcertment crossed Dumbledore's face, followed by surprise. "Fifty-one points for Ravenclaw?"

Professor Quirrell nodded. "He wasn't expecting them, but it seemed appropriate. Tell Professor McGonagall that I think the story of what Mr. Potter went through to earn back the lost points will do just as well to make her point. No, Headmaster, Mr. Potter didn't tell me anything. It's easy to see which part of today's events are her work, just as I know that the final compromise was your own suggestion. Though I wonder how on Earth Mr. Potter was able to gain the upper hand over both Snape and you and then Professor McGonagall was able to gain the upper hand over him."

Somehow Harry managed to control his face. Was it *that* obvious to a real Slytherin?

Dumbledore came closer to Harry, scrutinizing. "Your color looks a little off, Harry," the old wizard said. He peered closely at Harry's face. "What did you have for lunch today?"

"What?" Harry said, his mind wobbling in sudden confusion. Why would Dumbledore be asking about deep-fried lamb and thin-sliced broccoli when that was just about the *last* probable cause of—

The old wizard straightened up. "Never mind, then. I think you're fine."

Professor Quirrell coughed, loudly and deliberately. Harry looked at the professor, and saw that Professor Quirrell was staring sharply at Dumbledore.

"Ah-hem!" Professor Quirrell said again.

Dumbledore and Professor Quirrell locked eyes, and something seemed to pass between them.

"If you don't tell him," Professor Quirrell said then, "I will, even if you fire me for it."

Dumbledore sighed and turned back to Harry. "I apologize for invading your mental privacy, Mr. Potter," the Headmaster said formally. "I had no purpose except to determine if Professor Quirrell had done the same."

*What?*

The confusion lasted just exactly as long as it took Harry to understand what had just happened.

*"You—!"*

"Gently, Mr. Potter," said Professor Quirrell. His face was hard, however, as he stared at Dumbledore.

"Legilimency is sometimes mistaken for common sense," said the Headmaster. "But it leaves traces which another skillful Legilimens can detect. That was all I looked for, Mr. Potter, and I asked you an irrelevant question to ensure you wouldn't think about anything important while I looked."

*"You should have asked first!"*

Professor Quirrell shook his head. "No, Mr. Potter, the Headmaster had some justification for his concerns, and had he asked for permission you would have thought of exactly those things you did not wish him to see." Professor Quirrell's voice grew sharper. "I am rather more concerned, Headmaster, that you saw no need to tell him afterward!"

"You have now made it more difficult to confirm his mental privacy on future occasions," Dumbledore said. He favored Professor Quirrell with a cold look. "Was that your intention, I wonder?"

Professor Quirrell's expression was implacable. "There are too many Legilimens in this school. I insist that Mr. Potter receive instruction in Occlumency. Will you permit me to be his tutor?"

"Absolutely not," Dumbledore said at once.

"I did not think so. Then since *you* have deprived him of my free services, *you* will pay for Mr. Potter's tutoring by a licensed Occlumency instructor."

"Such services do not come cheaply," Dumbledore said, looking at Professor Quirrell in some surprise. "Although I do have certain connections—"

Professor Quirrell shook his head firmly. "No. Mr. Potter will ask his account manager at Gringotts to recommend a neutral instructor. With respect, Headmaster Dumbledore, after the events of this morning I must protest you or your friends having access to Mr. Potter's mind. I must also insist that the instructor have taken an Unbreakable Vow to reveal nothing, and that he agree to be Obliviated of each session immediately afterward."

Dumbledore was frowning. "Such services are *extremely* expensive, as you well know, and I cannot help but wonder why *you* deem them necessary."

"If it's money that's the problem," Harry spoke up, "I have some ideas for making large amounts of money quickly—"

"Thank you Quirinus, your wisdom is now quite evident and I am sorry for disputing it. Your concern for Harry Potter does you credit, as well."

"You're welcome," said Professor Quirrell. "I hope you will not object if I go on making him a particular focus of my attentions." Professor Quirrell's face was now very serious, and very still.

Dumbledore looked at Harry.

"It is my own wish also," Harry said.

"So that's how it is to be..." the old wizard said slowly. Something strange passed across his face. "Harry... you must realize that if you choose this man as your teacher and your friend, your first mentor, then one way or another you will lose him, and the manner in which you lose him may or may not allow you to ever get him back."

That hadn't occurred to Harry. But there *was* that jinx on the Defense position... one which had apparently worked with perfect regularity for decades...

"Probably," said Professor Quirrell quietly, "but he will have the full use of me while I last."

Dumbledore sighed. "I suppose it is economical, at least, since as the Defense Professor you're *already* doomed in some unknown fashion."

Harry had to work hard to suppress his expression as he realized what Dumbledore had actually been implying.

"I will inform Madam Pince that Mr. Potter is allowed to obtain books on Occlumency," said Dumbledore.

"There is preliminary training which you must do on your own," said Professor Quirrell to Harry. "And I do suggest that you hurry up on it."

Harry nodded.

"I'll take my leave of you then," said Dumbledore. He nodded to both Harry and Professor Quirrell, and departed, walking a bit slowly.

"Can you cast the spell again?" Harry said the moment Dumbledore was gone.

"Not today," said Professor Quirrell quietly, "and not tomorrow either, I'm afraid. It takes a lot out of me to cast, though less to keep going, and so I usually prefer to maintain it as long as possible. This time I cast it on impulse. Had I thought, and realized we might be interrupted—"

Dumbledore was now Harry's least favorite person in the entire world.

They both sighed.

"Even if I only ever see it once," Harry said, "I will never stop being grateful to you."

Professor Quirrell nodded.

"Have you heard of the Pioneer program?" Harry said. "They were probes that would fly by different planets and take pictures. Two of the probes would end up on trajectories that took them out of the Solar System and into interstellar space. So they put a golden plaque on the probes, with a picture of a man, and a woman, and showing where to find our Sun in the galaxy."

Professor Quirrell was silent for a moment, then smiled. "Tell me, Mr. Potter, can you guess what thought went through my mind when I finished assembling the thirty-seven items on the list of things I would never do as a Dark Lord? Put yourself in my shoes—imagine yourself in my place—and guess."

Harry imagined himself looking over a list of thirty-seven things not to do once he became a Dark Lord.



"You decided that if you had to follow the *whole* list *all* the time, there wouldn't be much point in becoming a Dark Lord in the first place," Harry said.

"*Precisely*," said Professor Quirrell. He was grinning. "So I am going to violate rule two—which was simply 'don't brag'—and tell you about something I have done. I don't see how the knowledge could do any harm. And I strongly suspect you would have figured it out anyway, once we knew each other well enough. Nonetheless... I shall have your oath never to speak of what I am about to tell."

"You have it!" Harry had a feeling this was going to be *really* good.

"I subscribe to a Muggle bulletin which keeps me informed of progress on space travel. I didn't hear about Pioneer 10 until they reported its launch. But when I discovered that Pioneer 11 would also be leaving the Solar System forever," Professor Quirrell said, his grin the widest that Harry had yet seen from him, "I snuck into NASA, I did, and I cast a lovely little spell on that lovely golden plaque which will make it last a lot longer than it otherwise would."

...

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"Yes," Professor Quirrell said, who now seemed to be standing around fifty feet taller, "I thought that was how you might react."

...

...

...

"Mr. Potter?"

"...I can't think of anything to say."

"You win' seems appropriate," said Professor Quirrell.

"You win," Harry said immediately.

"See?" said Professor Quirrell. "We can only imagine what giant heap of trouble you would have gotten into if you had been unable to say that."

They both laughed.

A further thought occurred to Harry. "You didn't add any extra information to the plaque, did you?"

“Extra information?” said Professor Quirrell, sounding as if the idea had never occurred to him before and he was quite intrigued.

Which made Harry rather suspicious, considering that it’d taken less than a minute for *Harry* to think of it.

“Maybe you included a holographic message like in *Star Wars*?” said Harry. “Or... hm. A portrait seems to store a whole human brain’s worth of information... you couldn’t have added any extra mass to the probe, but maybe you could’ve turned an existing part into a portrait of yourself? Or you found a volunteer dying of a terminal illness, snuck them into NASA, and cast a spell to make sure their *ghost* ended up in the plaque—”

“Mr. Potter,” Professor Quirrell said, his voice suddenly sharp, “a spell requiring a human death would certainly be classified by the Ministry as Dark Arts, regardless of circumstances. Students should not be heard talking about such things.”

And the amazing thing about the way Professor Quirrell said it was how perfectly it maintained plausible deniability. It had been said in exactly the appropriate tone for someone who wasn’t willing to discuss such things and thought students should steer away from them. Harry honestly *didn’t know* whether Professor Quirrell was just waiting to talk about it until after Harry had learned to protect his mind.

“Got it,” Harry said. “I won’t talk with anyone else about that idea.”

“Please be discreet about the whole matter, Mr. Potter,” Professor Quirrell said. “I prefer to go through my life without attracting public notice. You will find nothing in the newspapers about Quirinus Quirrell until I decided it was time for me to teach Defense at Hogwarts.”

That seemed a little sad, but Harry understood. Then Harry realized the implications. “So just how much awesome stuff *have* you done that no one else knows about—”

“Oh, some,” said Professor Quirrell. “But I think that’s quite enough for today, Mr. Potter, I confess I am feeling a bit tired—”

“I understand. And *thank you*. For *everything*.”

Professor Quirrell nodded, but he was leaning harder on his desk.

Harry quickly took his leave.

## CHAPTER TWENTY

# RATIONALIZATION

Hermione Granger had worried she was turning Bad. The difference between Good and Bad was usually easy to grasp, she'd never understood why other people had so much trouble. At Hogwarts, "Good" was Professor Flitwick and Professor McGonagall and Professor Sprout. "Bad" was Professor Snape and Professor Quirrell and Draco Malfoy. Harry Potter... was one of those unusual cases where you *couldn't* tell just by looking. She was still trying to figure out where he belonged.

But when it came to *herself*...

Hermione was having *too much fun* crushing Harry Potter.

She'd done better than him in every single class they'd taken. (Except for broomstick riding which was like gym class, it didn't count.) She'd gotten *real* House points almost every day of their first week, not for weird heroic things, but *smart* things like learning spells quickly and helping other students. She knew those kinds of House points were better, and the best part was, Harry Potter knew it too. She could see it in his eyes every time she won another *real* House point.

If you were Good, you weren't supposed to enjoy winning this much.

It had started on the day of the train ride, though it had taken a while for the whirlwind to sink in. It wasn't until later that night that Hermione had begun to realize just *how much* she'd let that boy walk all over her.

Before she'd met Harry Potter she hadn't had anyone she'd wanted to crush. If someone wasn't doing as well as her in class, it was her job to help them, not rub it in. That was what it meant to be Good.

And now...

...now she was *winning*, Harry Potter was flinching every time she got another House point, and it was *so much* fun, her parents had warned her against drugs and she suspected this was *more fun* than that.

She'd always liked the smiles that teachers gave her when she did something right. She'd always liked seeing the long row of check-marks on a perfectly answered test. But now when she did well in class she would casually glance around and catch a glimpse of Harry Potter gritting his teeth, and it made her want to burst into song like a Disney movie.

That was Bad, wasn't it?

Hermione had worried she was turning Bad.

And then a thought had come to her which wiped away all her fears.

She and Harry were getting into a Romance! Of course! Everyone knew what it meant when a boy and a girl started fighting all the time. They were *courting* one another! There was nothing Bad about *that*.

It couldn't be that she just *enjoyed* beating the living scholastic day-lights out of the most famous student in the school, someone who was *in* books and *talked* like books, the boy who had somehow vanquished the Dark Lord and even smushed *Professor Snape* like a sad little bug, the boy who was, as Professor Quirrell would have put it, dominant, over everyone else in first-year Ravenclaw *except* for Hermione Granger who was utterly *squishing* the Boy-Who-Lived in all his classes besides broomstick riding.

Because that would have been Bad.

No. It was Romance. *That* was it. *That* was why they were fighting.

Hermione was glad she had figured this out in time for today, when Harry would lose their book-reading contest, which the *whole school* knew about, and she wanted to start *dancing* with the sheer overflowing joy of it.

It was 2:45pm on Saturday and Harry Potter had half of Bathilda Bagshot's *A History of Magic* left to read and she was staring at her pocket watch as it ticked with dreadful slowness toward 2:47pm.

And the entire Ravenclaw common room was watching.

It wasn't just the first-years, news had spread like spilled milk and fully half of Ravenclaw was crowded into the room, squeezed into so-

fas and leaning on bookcases and sitting on the arms of chairs. All six prefects were there including the Head Girl of Hogwarts. Someone had needed to cast an Air-Freshening Charm just so that there would be enough oxygen. And the din of conversation had died into whispers which had now faded into utter silence.

2:46pm.

The tension was unbearable. If it had been anyone else, *anyone* else, his defeat would have been a foregone conclusion.

But this was Harry Potter, and you couldn't rule out the possibility that he would, sometime in the next few seconds, raise a hand and snap his fingers.

With sudden terror she realized how Harry Potter might be able to do exactly that. It would be *just like him* to have *already finished reading* the second half of the book earlier...

Hermione's vision began to swim. She tried to make herself breathe, and found that she simply couldn't.

Ten seconds left, and he still hadn't raised his hand.

Five seconds left.

2:47pm.

Harry Potter carefully placed a bookmark into his book, closed it, and laid it aside.

"I would like to note for the benefit of posterity," said the Boy-Who-Lived in a clear voice, "that I had only half a book left, and that I ran into a number of unexpected delays—"

"*You lost!*" shrieked Hermione. "*You did! You lost our contest!*"

There was a collective exhalation as everyone started breathing again.

Harry Potter shot her a Look of Flaming Fire, but she was floating in a halo of pure white happiness and nothing could touch her.

"*Do you realize what kind of week I've had?*" said Harry Potter. "Any lesser being would have been hard-pressed to read eight Dr. Seuss books!"

"*You set the time limit.*"

Harry's Look of Flaming Fire grew even hotter. "I did not have any logical way of knowing I'd have to save the entire school from Professor Snape, or get beaten up in Defense class, and if I told you how I lost all

the time between 5pm and dinner on Thursday you would think I was insane—”

“Awww, it sounds like *someone* fell prey to the *planning fallacy*.”

Raw shock showed on Harry Potter’s face.

“Oh that reminds me, I finished reading the first batch of books you lent me,” Hermione said with her best innocent look. A couple of them had been *hard* books, too. She wondered how long it had taken *him* to finish reading them.

“Someday,” said the Boy-Who-Lived, “when the distant descendants of *Homo sapiens* are looking back over the history of the galaxy and wondering how it all went so wrong, they will conclude that the original mistake was when someone taught Hermione Granger how to read.”

“But you still lose,” said Hermione. She held a hand to her chin and looked contemplative. “Now what exactly should you lose, I wonder?”

“What?”

“You lost the bet,” Hermione explained, “so you have to pay a forfeit.”

“I don’t remember agreeing to this!”

“Really?” said Hermione Granger. She put a thoughtful look on her face. Then, as if the idea had only just then occurred to her, “We’ll take a vote, then. Everyone in Ravenclaw who thinks Harry Potter has to pay up, raise your hand!”

“What?” shrieked Harry Potter again.

He spun around and saw that he was surrounded by a sea of raised hands.

And if Harry Potter had looked *more carefully*, he would have noticed that an awful lot of the onlookers seemed to be girls and that practically every female in the room had their hand raised.

“Stop!” wailed Harry Potter. “You don’t know what she’s going to ask! Don’t you *realize* what she’s doing? She’s getting you to make an advance commitment now, and then the pressure of consistency will make you agree with whatever she says afterward!”

“Don’t worry,” said the prefect Penelope Clearwater. “If she asks for something unreasonable, we can just change our minds. Right, everyone?”

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## RATIONALIZATION

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And there were eager nods from all the girls whom Penelope Clearwater had told about Hermione's plan.

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A silent figure quietly slipped through the chilled halls of the Hogwarts dungeons. He was to be present in a certain room at 6:00pm to meet a certain someone, and if at all possible it was best to be early, to show respect.

But when his hand turned the doorknob and opened the door into that dark, silent, unused classroom, there was a silhouette already standing there amid the rows of dusty old desks. A silhouette which held a small green glowing rod, casting a pale light which hardly illuminated even he who held it, let alone the surrounding room.

The light of the hallway died as the door closed and shut behind him, and Draco's eyes began the process of adjusting to the dim glow.

The silhouette slowly turned to behold him, revealing a shadowed face only partially lit by the eerie green light.

Draco liked this meeting already. Keep the chill green light, make them both taller, give them hoods and masks, move them from a classroom to a graveyard, and it would be just like the start of half the stories his father's friends told about the Death Eaters.

"I want you to know, Draco Malfoy," said the silhouette in tones of deadly calm, "that I do not blame you for my recent defeat."

Draco opened his mouth in unthinking protest, there was no possible reason why he *should* be blamed—

"It was due, more than anything else, to my own stupidity," continued that shadowy figure. "There were many other things I could have done, at any step along the way. You did not ask me to do *exactly* what I did. You only asked for help. I was the one who unwisely chose that particular method. But the fact remains that I lost the contest by half a book. The actions of your pet idiot, and the favor you asked for, and, yes, my own foolishness in going about it, caused me to *lose time*. More time than you know. Time which, in the end, proved critical. The fact remains, Draco

Malfoy, that if you had not asked that favor, I *would* have won. And not... instead... *lost*."

Draco had already heard about Harry's loss, and the forfeit Granger had claimed from him. The news had spread faster than owls could have carried it.

"I understand," Draco said. "I'm sorry." There was nothing else he *could* say if he wanted Harry Potter to be friends with him.

"I am not asking for understanding or sorrow," said the dark silhouette, still with that deadly calm. "But I have just spent two full hours in the presence of Hermione Granger, dressed in such clothing as was provided me, visiting such fascinating places in Hogwarts as a tiny burbling waterfall of what looked to me like snot, accompanied by a number of other girls who insisted on such helpful activities as strewing our path with Transfigured rose petals. I have been on a date, scion of Malfoy. My *first* date. And when I call that favor *due*, you will pay it."

Draco nodded solemnly. Before arriving he had taken the wise precaution of learning every available detail of Harry's date, so that he could get all of his hysterical laughing done before their appointed meeting time, and would not commit a *faux pas* by giggling continuously until he lost consciousness.

"Do you think," Draco said, "that something sad ought to happen to the Granger girl—"

"Spread the word in Slytherin that the Granger girl is *mine* and anyone who meddles in *my* affairs will have their remains scattered over an area wide enough to include twelve different spoken languages. And since I am not in Gryffindor and I use *cunning* rather than immediate frontal attacks, they should not panic if I am seen smiling at her."

"Or if you're seen on a second date?" Draco said, allowing just a tiny note of skepticism into his voice.

"*There will be no second date*," said the green-lit silhouette in a voice so fearsome that it sounded, not only like a Death Eater, but like Amycus Carrow that one time just before Father told him to stop it, he wasn't the Dark Lord.

Of course it *was* still a young boy's high unbroken voice and when you combined that with the *actual words*, well, it just didn't work. If Harry Pot-



ter *did* become the next Dark Lord someday, Draco would use a Pensieve to store a copy of this memory somewhere safe, and Harry Potter would never dare betray him.

"But let us talk of happier matters," said the green-shadowed figure. "Let us talk of knowledge and of power. Draco Malfoy, let us talk of Science."

"Yes," said Draco. "Let us speak."

Draco wondered how much of his own face could be seen, and how much was in shadow, in that eerie green light.

And though Draco kept his face serious, there was a smile in his heart. He was *finally* having a real grownup conversation.

"I offer you power," said the shadowy figure, "and I will tell you of that power and its price. The power comes from knowing the shape of reality and so gaining control over it. What you understand, you can command, and that is power enough to walk upon the Moon. The price of that power is that you must learn to ask questions of Nature, and far more difficult, accept Nature's answers. You will do experiments, perform tests and see what happens. And you must accept the meaning of those results when they tell you that you are mistaken. You will have to *learn how to lose*, not to me, but to Nature. When you find yourself arguing with reality, you will have to let reality win. You will find this painful, Draco Malfoy, and I do not know if you are strong in that way. Knowing the price, is it still your wish to learn the human power?"

Draco took a deep breath. He'd thought about this. And it was hard to see how he could answer any other way. He'd been instructed to take every avenue of friendship with Harry Potter. It was just *learning*, he wasn't promising to *do* anything. He could always stop the lessons at any time...

There were certainly any number of things about the situation which made it look like a trap, but in all honesty, Draco didn't see how this could go wrong.

Plus Draco did kind of want to rule the world.

"Yes," said Draco.

"Excellent," said the shadowy figure. "I have had something of a *crowded week*, and it will take time to plan your curriculum—"

"I've got a lot of things I need to do myself to consolidate my power in Slytherin," said Draco, "not to mention homework. Maybe we should just start in October?"

"Sounds sensible," said the shadowy figure, "but what I meant to say is that to plan your curriculum, I need to know what I will be teaching you. Three thoughts come to me. The first is that I teach you of the human mind and brain. The second option is that I teach you of the physical universe, those arts which lie on the pathway to visiting the Moon. This involves a great deal of numbers, but to a certain kind of mind those numbers are more beautiful than anything else Science has to teach. Do you like numbers, Draco?"

Draco shook his head.

"Then so much for that. You will learn your mathematics eventually, but not right away, I think. The third option is that I teach you of genetics and evolution and inheritance, what you would call blood—"

"That one," said Draco.

The figure nodded. "I thought you might say as much. But I think it will be the most painful path for you, Draco. What if your family and friends, the blood purists, say one thing, and you find that the experimental test says another?"

"Then I'll figure out how to make the experimental test say the *right* answer!"

There was a pause, as the shadowy figure stood there with its mouth open for a short while.

"Um," said the shadowy figure. "It doesn't really work like that. That's what I was trying to warn you about here, Draco. You *can't* make the answer come out to be anything you like."

"You can *always* make the answer come out your way," said Draco. That had been practically the first thing his tutors had taught him. "It's just a matter of finding the right arguments."

"No," said the shadowy figure, voice rising in frustration, "no, no, no! Then you get the *wrong answer* and you can't go to the Moon that way! Nature isn't a person, you can't trick them into believing something else, if you try to tell the Moon it's made of cheese you can argue for days and it won't change the Moon! What you're talking about is *rationalization*, like

starting with a sheet of paper, moving straight down to the bottom line, using ink to write ‘and *therefore*, the Moon is made of cheese’, and then moving back up to write all sorts of clever arguments above. But either the Moon is made of cheese or it isn’t. The moment you wrote the bottom line, it was already true or already false. Whether or not the whole sheet of paper ends up with the right conclusion or the wrong conclusion is fixed the instant you write down the bottom line. If you’re trying to pick between two expensive trunks, and you like the shiny one, it doesn’t matter what clever arguments you come up with for buying it, the *real* rule you used to *choose which trunk to argue for* was ‘pick the shiny one’, and however effective that rule is at picking good trunks, that’s the kind of trunk you’ll get. Rationality *can’t* be used to argue for a fixed side, its only possible use is *deciding which side to argue*. Science isn’t for *convincing* anyone that the blood purists are right. That’s *politics*! The power of science comes from *finding out the way Nature really is that can’t be changed by arguing*! What science *can* do is tell us *how blood really works*, how wizards really inherit their powers from their parents, and whether Muggleborns are really weaker or stronger—”

“*Stronger!*” said Draco. He had been trying to follow this, a puzzled frown on his face, he could see how it *sort of* made sense but it certainly wasn’t like anything he’d ever heard before. And then Harry Potter had said something Draco couldn’t possibly let pass. “You think mudbloods are *stronger?*”

“I think nothing,” said the shadowy figure. “I know nothing. I believe nothing. My bottom line is not yet written. I will figure out how to test the magical strength of Muggleborns, and the magical strength of purebloods. If my tests tell me that Muggleborns are weaker, I will believe they are weaker. If my tests tell me that Muggleborns are stronger, I will believe they are stronger. Knowing this and other truths, I will gain some measure of power—”

“And you expect *me* to believe whatever you say?” Draco demanded hotly.

“I expect you to perform the tests *personally*,” said the shadowy figure quietly. “Are you afraid of what *you* will find?”

Draco stared at the shadowy figure for a while, his eyes narrowed.

"Nice trap, Harry," he said. "I'll have to remember that one, it's new."

The shadowy figure shook his head. "It's not a trap, Draco. Remember—I *don't know* what we'll find. But you do not understand the universe by arguing with it or telling it to come back with a different answer next time. When you put on the robes of a scientist you must forget all your politics and arguments and factions and sides, silence the desperate clings of your mind, and wish only to hear the answer of Nature." The shadowy figure paused. "Most people can't do it. That's why this is difficult. Are you sure you wouldn't rather just learn about the brain?"

"And if I tell you I'd rather learn about the brain," Draco said, his voice now hard, "you'll go around telling people that I was afraid of what I'd find."

"No," said the shadowy figure. "I will do no such thing."

"But you might do the same sort of tests yourself, and if you got the wrong answer, I wouldn't be there to say anything before you showed it to someone else." Draco's voice was still hard.

"I would still ask you first, Draco," the shadowy figure said quietly.

Draco paused. He hadn't been expecting that, he'd thought he saw the trap but... "You *would*?"

"Of course. How would I know who to blackmail or what we could ask from them? Draco, I say again that this is not a trap I set for you. At least not for you personally. If your politics were different, I would be saying, what if the test shows that purebloods are stronger."

"Really."

"Yes! That's the price *anyone* has to pay to become a scientist!"

Draco held up a hand. He had to think.

The shadowy, green-lit figure waited.

It didn't take long to think about, though. If you discarded all the confusing parts... then Harry Potter was planning to mess around with something that could cause a gigantic political explosion, and it would be insane to just walk away and let him do it on his own. "We'll study blood," said Draco.

"*Excellent*," said the figure, and smiled. "Congratulations on being willing to ask the question."

"Thanks," Draco said, not quite managing to keep the irony out of his voice.

"Hey, did you think going to the Moon was *easy*? Be glad this just involves changing your mind sometimes, and not a human sacrifice!"

"Human sacrifice would be *way* easier!"

There was a slight pause, and then the figure nodded. "Fair point."

"Look, Harry," said Draco without much hope, "I thought the idea was to take all the things that Muggles know, combine them with things that wizards know, and become masters of both worlds. Wouldn't it be a lot easier to just study all the things that Muggles *already* found out, like the Moon stuff, and use *that* power—"

"No," said the figure with a sharp shake of his head, sending green shadows moving around his nose and eyes. His voice had turned very grim. "If you cannot learn the scientist's art of accepting reality, then I *must not* tell you what that acceptance has discovered. It would be like a powerful wizard telling you of those gates which must not be opened, and those seals which must not be broken, before you had proven your intelligence and discipline by surviving the lesser perils."

A chill went down Draco's spine and he shuddered involuntarily. He knew it had been visible even in the dim light. "All right," said Draco. "I understand." Father had told him that many times. When a more powerful wizard told you that you weren't ready to know, you didn't pry any further if you wanted to live.

The figure inclined his head. "Indeed. But there is something else you should understand. The first scientists, being Muggles, lacked your traditions. In the beginning they simply did not comprehend the notion of dangerous knowledge, and thought that all things known should be spoken freely. When their searches turned dangerous, they told their politicians of things that should have stayed secret—don't look like that, Draco, it wasn't simple stupidity. They did have to be smart enough to uncover the secret in the first place. But they were Muggles, it was the first time they'd found anything *really* dangerous, and they didn't *start out* with a tradition of secrecy. There was a war going on, and the scientists on one side worried that if they *didn't* talk, the scientists of the *enemy* country would tell *their* politicians first..." The voice trailed off significantly. "They didn't

destroy the world. But it was close. And we are not going to repeat that mistake.”

“Right,” Draco said, his voice now very firm. “We won’t. We’re wizards, and studying science doesn’t make us Muggles.”

“As you say,” said the green-lit silhouette. “We will establish our *own* Science, a magical Science, and that Science will have smarter traditions from the very start.” The voice grew hard. “The knowledge I share with you will be taught alongside the disciplines of accepting truth, the level of this knowledge will be keyed to your progress in those disciplines, and you will share that knowledge with no one else who has not learned those disciplines. Do you accept this?”

“Yes,” said Draco. What was he supposed to do, say no?

“Good. And what you discover for yourself, you will keep to yourself unless you think that other scientists are ready to know it. What we do share among ourselves, we will not tell the world unless we agree it is safe for the world to know. And whatever our own politics and allegiances, we will *all* punish *any* of our number who reveal dangerous magics or give away dangerous weapons, no matter what sort of war is going on. From this day onward, that will be the tradition and the law of science among wizards. Are we agreed on that?”

“Yes,” said Draco. Actually this *was* starting to sound pretty attractive. The Death Eaters had tried to take power by being scarier than everyone else, and they hadn’t actually won yet. Maybe it was time to try ruling using secrets instead. “And our group stays hidden for as long as possible, and everyone in it has to agree to our rules.”

“Of course. Definitely.”

There was a very short pause.

“We’re going to need better robes,” said the shadowy figure, “with hoods and so on—”

“I was *just thinking* that,” said Draco. “We don’t need whole new robes, though, just cowed cloaks to put on. I have a friend in Slytherin, she’ll take your measurements—”

“Don’t tell her what it’s *for*, though—”

“I’m not *stupid!*”

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## RATIONALIZATION

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“And no masks for now, not when it’s just you and me—” said the shadowy figure.

“Right! But later on we should have some sort of special mark that all our servants have, the Mark of Science, like a snake eating the Moon on their right arms—”

“It’s called a PhD and wouldn’t that make it too easy to identify our people?”

“Huh?”

“I mean, what if someone is like ‘okay, now everyone pull up their robes over their right arms’ and our guy is like ‘whoops, sorry, looks like I’m a spy’—”

“*Forget I said anything,*” said Draco, sweat suddenly springing out all over his body. He needed a distraction, *fast*—“And what do we call ourselves? The Science Eaters?”

“No,” said the shadowy figure slowly. “That doesn’t sound right...”

Draco wiped his robed arm across his forehead, wiping away beads of moisture. What had the Dark Lord been *thinking*? Father had said the Dark Lord was *smart*!

“I’ve got it!” said the shadowy figure suddenly. “You won’t understand yet, but trust me, it fits.”

Right now Draco would have accepted ‘Malfoy Munchers’ as long as it changed the subject. “What is it?”

And standing amid the dusty desks in an unused classroom in the dungeons of Hogwarts, the green-lit silhouette of Harry Potter spread his arms dramatically and said, “This day shall mark the dawn of... the *Bayesian Conspiracy*.”

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A silent figure trudged wearily through the halls of Hogwarts in the direction of Ravenclaw.

Harry had gone straight from the meeting with Draco to dinner, and stayed at dinner barely long enough to choke down a few fast gulps of food before going off to bed.

It wasn't even 7pm yet, but it was well past bedtime for Harry. He'd realized *last* night that he wouldn't be able to use the Time-Turner on Saturday until after the book-reading contest was already over. But he could still use the Time-Turner on *Friday* night, and gain time that way. So Harry had pushed himself to stay awake until 9pm on Friday, when the protective shell opened, and then used the four hours remaining on the Time-Turner to spin back to 5pm and collapse into sleep. He'd woken up around 2am on Saturday morning, just as planned, and read for the next twelve hours straight... and it still hadn't been enough. And now Harry would be going to sleep rather early for the next few days, until his sleep cycle caught up again.

The portrait on the door asked Harry some dumb riddle meant for eleven-year-olds that he answered without the words even passing through his conscious mind, and then Harry staggered up the stairs to his dorm room, changed into his pajamas and collapsed into bed.

And found that his pillow seemed rather lumpy.

Harry groaned. He sat up reluctantly, twisted in bed, and lifted up his pillow.

This revealed a note, two golden Galleons, and a book titled *Occlumency: The Hidden Arte*.

Harry picked up the note and read:

*My, you do get yourself into trouble and quickly. Your father was no match for you.*

*You have made a powerful enemy. Snape commands the loyalty, admiration, and fear of all House Slytherin. You cannot trust any of that House now, whether they come to you in friendly guise or fearsome.*

*From now on you must not meet Snape's eyes. He is a Legilimens and can read your mind if you do. I have enclosed a book which may help you learn to protect yourself, though there is only so far you can get without a tutor. Still you may hope to at least detect intrusion.*

*So that you may find some extra time in which to study Occlumency, I have enclosed 2 Galleons, which is the price of answer sheets and homework for the first-year History of Magic class (Professor Binns having given the same tests and same assignments every year since he died).*



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## RATIONALIZATION

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*Your newfound friends the Weasley twins should be able to sell you a copy. It goes without saying that you must not get caught with it in your possession.*

*Of Professor Quirrell I know little. He is a Slytherin and a Defense Professor, and that is two marks against him. Consider carefully any advice he gives you, and tell him nothing you do not wish known.*

*Dumbledore only pretends to be insane. He is extremely intelligent, and if you continue to step into closets and vanish, he will certainly deduce your possession of an invisibility cloak if he has not done so already. Avoid him whenever possible, hide the Cloak of Invisibility somewhere safe (NOT your pouch) any time you cannot avoid him, and step with great care in his presence.*

*Please be more careful in the future, Harry Potter.*

*—Santa Claus*

Harry stared at the note.

It *did* seem to be pretty good advice. Of course Harry wasn't going to cheat in History class even if they gave him a dead monkey for a professor. But Severus's Legilimency... whoever'd sent this note knew a lot of important, secret things and was willing to tell Harry about them. The note was still warning him against Dumbledore stealing the Cloak but at this point Harry honestly had no clue if that was a bad sign, it could just be an understandable mistake.

There seemed to be some sort of intrigue going on inside Hogwarts. Maybe if Harry *compared stories* between Dumbledore and the note-sender, he could work out a *combined* picture that would be accurate? Like if they *both* agreed on something, then...

...whatever...

Harry stuffed everything into his pouch and turned up the Quieter and pulled the cover over his head and died.

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It was Sunday morning and Harry was eating pancakes in the Great Hall, sharp quick bites, glancing nervously at his watch every few seconds.

It was 8:02am, and in precisely two hours and one minute, it would be *exactly one week* since he'd seen the Weasleys and crossed over onto Platform Nine and Three-Quarters.

And the thought had occurred to him... Harry didn't know if this was a valid way to think about the universe, he didn't know anything any more, but it *seemed possible*...

That...

*Not enough interesting things had happened to him over the last week.*

When he was done eating breakfast, Harry planned to go straight up to his room and hide in the bottom level of his trunk and not talk to anyone until 10:03am.

And that was when Harry saw the Weasley twins walking toward him. One of them was carrying something concealed behind his back.

He should scream and run away.

He should scream and run away.

Whatever this was... it could very well be...

...the *grand finale*...

He really should just scream and run away.

With a resigned feeling that the universe would come and get him *anyway*, Harry continued slicing at the pancake with his fork and knife. He couldn't muster the energy. That was the sad truth. Harry knew now how people felt when they were tired of running, tired of trying to escape fate, and they just fell to the ground and let the horrifically befanged and tentacled demons of the darkest abyss drag them off to their unspeakable destiny.

The Weasley twins drew closer.

And yet closer.

Harry ate another bite of pancake.

The Weasley twins arrived, grinning brightly.

"Hello, Fred," Harry said dully. One of the twins nodded. "Hello, George." The other twin nodded.

"You sound tired," said George.

"You should cheer up," said Fred.

"Look what we got you!"

And George took, from behind Fred's back—

A cake with twelve flaming candles.

There was a pause, as the Ravenclaw table stared at them.

"That's not right," said someone. "Harry Potter was born on the thirty-first of Jul—"

"HE IS COMING," said a huge hollow voice that cut through all conversation like a sword of ice. "THE ONE WHO WILL TEAR APART THE VERY—"

Dumbledore had leapt out of his throne and run straight over the Head Table and seized hold of the woman speaking those awful words, Fawkes had appeared in a flash, and all three of them vanished in a crack of fire.

There was a shocked pause...

...followed by heads turning in the direction of Harry Potter.

"I didn't do it," Harry said in a tired voice.

"That was a *prophecy!*" someone at the table hissed. "And I bet it's about *you!*"

Harry sighed.

He stood up from his seat, raised his voice, and said very loudly over the conversations that were starting up, "*It's not about me! Obviously! I'm not coming here, I'm already here!*"

Harry sat back down again.

The people who had been looking at him turned away again.

Someone else at the table said, "Then who is it about?"

And with a dull, leaden sensation, Harry realized who *wasn't* already at Hogwarts.

Call it a wild guess, but Harry had a feeling the undead Dark Lord would be showing up one of these days.

The conversation continued on around him.

"Not to mention, tear apart the very *what?*"

"I thought I heard Trelawney start to say something with an 'S' just before the Headmaster grabbed her."

"Like... soul? Sun?"

"If someone's going to tear apart the Sun we're *really* in trouble!"

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## CHAPTER 20

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That seemed rather unlikely to Harry, unless the world contained scary things which had heard of David Criswell's ideas about star lifting.

"So," Harry said in tired tones, "this happens every Sunday breakfast, does it?"

"No," said a student who might have been in his seventh year, frowning grimly. "It doesn't."

Harry shrugged. "Whatever. Anyone want some birthday cake?"

"But it's *not* your birthday!" said the same student who'd objected last time.

That was the cue for Fred and George to start laughing, of course.

Even Harry managed a weary smile.

As the first slice was served to him, Harry said, "I've had a *really long week*."

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And Harry was sitting in the cavern level of his trunk, slid shut and locked so no one could get in, a blanket pulled over his head, waiting for the week to be over.

10:01.

10:02.

10:03, but just to be sure...

10:04 and the first week was done.

Harry breathed a sigh of relief, and gingerly pulled the blanket off of his head.

A few moments later, he had emerged into the bright sunlit air of his dorm.

Shortly after, and he was in the Ravenclaw common room. A few people looked at him, but no one said anything or tried to talk to him.

Harry found a nice wide writing desk, pulled back a comfortable chair, and sat down. From his pouch he drew a sheet of paper and a pencil.

Mum and Dad had told Harry in no uncertain terms that while they understood his enthusiasm for leaving home and getting away from his parents, he was to write them *every week without fail*, just so that they knew he was alive, unharmed, and not in prison.

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## RATIONALIZATION

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Harry stared down at the blank sheet of paper. *Let's see...*

After leaving his parents at the train station, he'd...

...gotten acquainted with a boy raised by Darth Vader, become friends with the three most infamous pranksters in Hogwarts, met Hermione, then there'd been the Incident with the Sorting Hat... Monday he'd been given a time machine to treat his sleep disorder, gotten a legendary invisibility cloak from an unknown benefactor, rescued seven Hufflepuffs by staring down five scary older boys one of whom had threatened to break his finger, realized that he possessed a mysterious dark side, learned to cast *Frigideiro* in Charms class, and gotten started on his rivalry with Hermione... Tuesday had introduced Astronomy taught by Professor Aurora Sinistra who was nice, and History of Magic taught by a ghost who ought to be exorcised and replaced with a tape recorder... Wednesday, he'd been pronounced the Most Dangerous Student in the Classroom... Thursday, let's not even think about Thursday... Friday, the Incident in Potions Class, followed by his blackmailing the Headmaster, followed by the Defense Professor having him beaten up in class, followed by the Defense Professor turning out to be the most awesome human being who still walked the face of the Earth... Saturday he'd lost a bet and gone on his first date and started redeeming Draco... and then this morning Professor Trelawney's unheard prophecy might or might not indicate that an immortal Dark Lord was about to attack Hogwarts.

Harry mentally organized his material, and started writing.

*Dear Mum and Dad:*

*Hogwarts is lots of fun. I learned how to violate the Second Law of Thermodynamics in Charms class, and I met a girl named Hermione Granger who reads faster than I do.*

*I'd better leave it at that.*

*Your loving son,*

*Harry James Potter-Evans-Verres.*









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