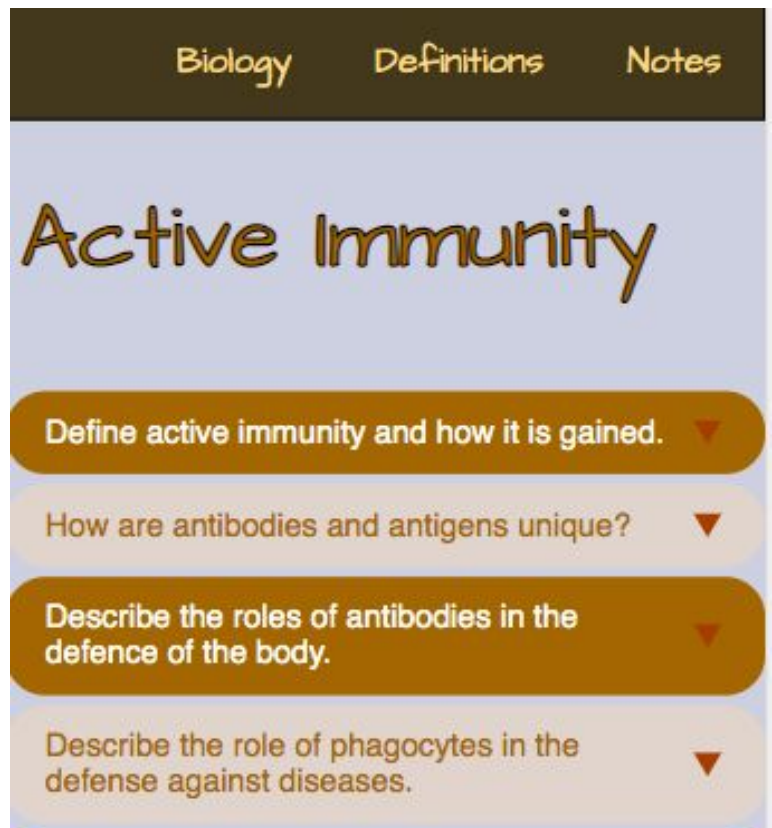


Features Missing in Mobile View

If you're logged in from your mobile, you won't be able to see the little boxes next to each question where you mark the difficulty, so you'll also not have other features that come along with it (i.e. Average difficulty of each chapter, completion rate). We're going to make this possible in our next update.

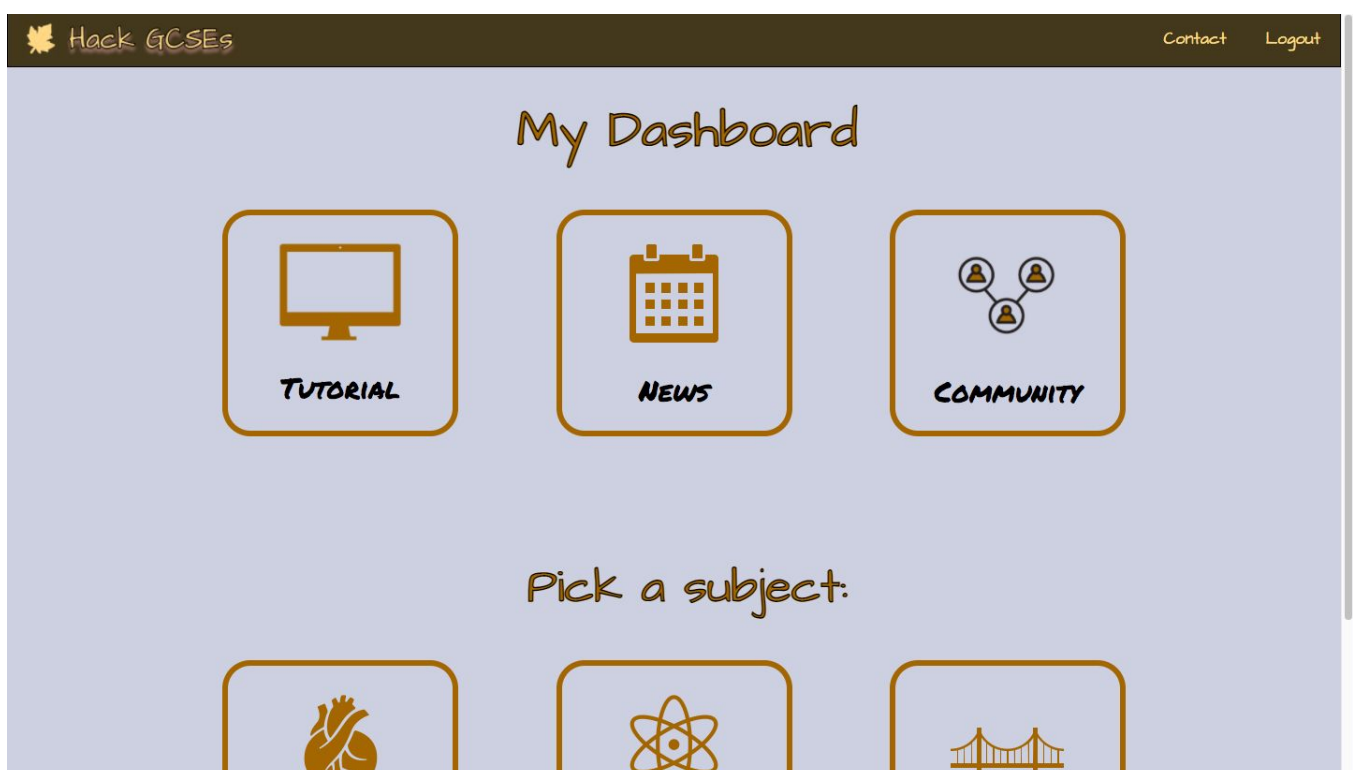
On the other hand, all the other features are available in mobile view. We've tried our best to make the website responsive.



How to use / Statement of Purpose


Dashboard

This is what you'll see after you sign in. Pretty simple layout. There are three subjects for now and it's (CIE) Biology, Chemistry, and Physics. Hopefully, there'll be more subjects and for more exam boards, in the future.



Subject Page

This is probably the most important page. It contains a list of all the chapters and the sub-topics of each chapter. We'll get into the details later, let's first look at a chapter page.

 Hack GCSEs

Dashboard

Definitions

Notes

Contact

Logout

Physics

Chapter 1: Motion

Motion

0.00%

0

0

0

Last revised on: not visited

Okay

Chapter 2: Mass and Weight

Mass and Weight

0.00%

0

0

0

Last revised on: not visited

Okay

Density

0.00%

0

0

0

Last revised on: not visited

Okay

Chapter 3: Forces

Effects of Forces and Hooke's Law

0.00%

0

0

0

Last revised on: not visited

Okay

Turning Effect, Equilibrium, Centre of Mass

0.00%

0

0

0

Last revised on: not visited

Okay

Scalars and Vectors

0.00%

0

0

0

Last revised on: not visited

Okay

Chapter 4: Momentum

Momentum

0.00%

0

0

0

Last revised on: not visited

Okay

Chapter Page (Background)

One reason we don't want to do past papers is because we feel like some questions always repeat, and over time it gets boring. So I've gone through every past paper since 2014, the syllabus, and the textbook, and gathered a collection of **every single question** they can ask for each topic (or at least 95% of it). All the points and objectives in the syllabus are also covered (except some experiment techniques/questions, which will be added in the next update). Well yes, they ask some new questions every year but around 90% of the paper is basically stuff that's been asked at least once in the previous years. And it's enough, trust me.

I've put them into this accordion layout, and the answers are displayed when you click on the questions.

Why should we trust this? Because the answers are exactly the same as they are in the mark scheme, so you know what exact points to write, so you can earn full marks, while writing only what is necessary, and you don't waste time studying unnecessary points. I've really tried to make this as accurate and efficient as possible. The questions are also arranged in terms of increasing difficulty and complexity, and there are snippets of past-paper questions included in between the questions in their appropriate places. I've made sure the past-paper questions do not cover the same points as the questions in text, so there's no repetition. This is why there are only as many past-paper questions as necessary for each topic.

Chapter Page (How to use)

Clicking on the past-paper question will show the mark scheme, then you can click again on the mark scheme to hide the mark scheme. Simple :)

Past_Paper Question 5_3_1 ▲

(b) Fig. 2.1 shows a train moving up towards the top of a mountain.

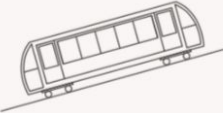


Fig. 2.1

The train transports 80 passengers, each of average mass 65 kg, through a vertical height of 1600 m.

Calculate the increase in the total gravitational potential energy (g.p.e.) of the passengers.

increase in g.p.e. = [2]

(c) The engine of the train has a power of 1500 kW. The time taken to reach the top of the mountain is 30 minutes.

Calculate the efficiency of the engine in raising the 80 passengers 1600 m to the top of the mountain.

efficiency = [4]

[Total: 7]

from: 0625/42/F/M/18

Past_Paper Question 5_3_2 ▼

efficiency = [4]

[Total: 7]

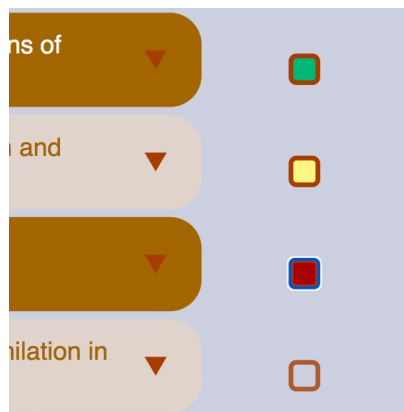
2(b)	mgh OR $80 \times 65 \times 10 \times 1600$
	$8.3 \times 10^7 \text{ J}$
2(c)	<u>Method 1</u>
	$W = Pt$ OR $E = Pt$ in any form
	Work input = $1500 \times 10^3 \times 30 \times 60$ OR $2.7 \times 10^9 \text{ J}$
	Efficiency = work output / work input ($\times 100$)
	0.031 OR 3.1 %
	<u>Method 2</u>
	$P = E/t$ in any form
	Power output = $8.3 \times 10^7 / 30 \times 60$
	Efficiency = power output / power input ($\times 100$)
	0.031 OR 3.1%

from: 0625/42/F/M/18

Past_Paper Question 5_3_2 ▼

Try to answer each question in your head (or better yet, out loud), and click on the question to display the answer. I've put like 7-8 points for some questions but most of the time, only around 4 are needed. I just put everything the mark schemes stated was acceptable.

There are small boxes beside each question, and the color changes every time you click on them. You can use this to note how you found each question (green for easy, yellow for okay, and red for hard). Every change you make is automatically saved.



The site does lack paper 6 type questions for now, which hopefully I'll get around to adding in the future.

Subject Page (Background)

When exams are close, we tend to start revising from chapter 1, and go in order until the last chapter. But this isn't really effective because you subconsciously put the most amount of effort and time on the first few chapters then the last ones and I've seen this happen to myself a couple of times. A more effective method would be to start with the chapters you find the hardest, and that you haven't reviewed for so long. But it's hard because we don't really keep track of that or know well enough, where we need the most improvement. It's hard to tell, and this is why I've included these features.

Subject Page (How to use)

When you go back to the subjects page, you'll see the number of questions you found easy, okay, or hard in each chapter

3	2	2
2	1	1
3	3	2
1	1	7

along with the percentage of questions you've reviewed, and the exact date you last reviewed that chapter. At the end of each bar, you'll see a green, yellow, or red block and this is the average 'difficulty' of that chapter, calculated from the number of your easy, okay, and hard questions.

Last revised on: 2020-12-25	7 days ago	Okay
Last revised on: 2020-12-25	7 days ago	Okay
Last revised on: 2021-01-01	Today	Hard

So when the exams are near, you can focus on the 'red' chapters with the "last revised" date that is the furthest back, so your revisions are efficient and you don't waste time studying a chapter you're already good at. And you repeat this until most of your chapters are in an 'easy' stage.

100.00%	10	■
100.00%	6	■
100.00%	7	■
100.00%	10	■

Community Page

This is basically a huge comment section/forum page where you can ask any questions you have about the website or the subjects, notify about a bug, or give feedback. Or you can just literally tell about anything you want. There are zero posts/comments at the moment, but I hope one day that corner will become a more lively place.

[Dashboard](#)
[Contact](#)
[Logout](#)

Community

ASK A QUESTION

Stuck on a particular topic? Remember, there are no stupid questions. We'll all be there to answer each others' questions :)

GIVE US FEEDBACK

We care about your constructive opinions! Please help us out so we can improve our website to your preferences :)

YOUR STORY

Tell us about your grade improvements. Tell us about what you're doing outside the classroom. The purpose of this website is to make you free up time to learn more about the world around you. :)

0 Comments

Add Comment

Future Features

I'm thinking of adding paper 6 questions, more subjects, and more exam boards but I cannot really tell if I can do so in the near future, because it takes up some time. I am hoping that I'll find some people along the way to work together with. That'll be fun. Aside from that, I'm thinking of adding side explanations for some questions that are a bit tricky, a feature to add comments on each question (like that comment feature on google docs), and signing up with social platforms, email verification, etc. This version is basically like an MVP because I just want something out the door.

Conclusion

The site might seem a bit 'meh' but I'm happy if you just try it out for a while and see if it helps, because I've really tried to make it help. And I'm still a beginner in this world of web apps, programming, etc. so please let me know if you face any errors, and please feel free to contact me about anything

At the end of the day, I'm not an expert. But I believe sometimes we think about these standardized tests too much and devote a big chunk of our time and energy into it, much more than what is necessary (especially during O Levels). I think we should put more time into other aspects: extracurricular activities, reading books, learning how the economy works, learning how to invest, network, and all these life skills, and especially trying out new things (like coding for example, I really wish I'd started out earlier). So I just wanted to take an initiative and convey this message by creating a helpful tool that would enable you to free up time so you could also take initiatives to do other projects of your own.