1. Intro:

- (a) Something that
 - i. was surprising,
 - ii. was disappointing,
 - iii. and was exciting

ft. bron? #why.

oml we did three intros each.

1 | What we are learning:

"best way to learn is to teach"

ie. ask peers for help, not barak.

- Physics tried to describe things completely with math, unlike other sciences which use statistical models.
- · Semester one:
 - kinematics!
 - Projectile motion
 - Dynamics!
 - Energy (defines all of physics, but we don't really know what it is)
 - Momentum
 - Maybe: rotational motion
- · Around 30 min per class

1.0.1 | **Grading:**

- · Aim for profs. Profs are an a. But ofc, go for exemplery!
- · Lots of quizzes

2 | The map of physics

- Classical
 - Newtons Laws of motion and universal gravitation
 - * Also worked on optics,
 - · Waves and cosmology and astrophysics
 - Electromagnetism

- Classical and fluid dynamics
- Fluid dynamics
- Chaos Theory
- I'm not going to take notes in this
- ^ in the 1900s
- Relativity
 - Special relativity
 - * Light is at a constant speed to all viewers
 - General relativity
- · Quantum Physics
 - Nuclear physics
 - Particle physics
 - quantum field theory | ties in with special relativity
- The Chasm of ignorance
 - we can't connect general relativity to quantum physics
 - Also, dark matter and dark energy and such

Black = 101 Red = 201