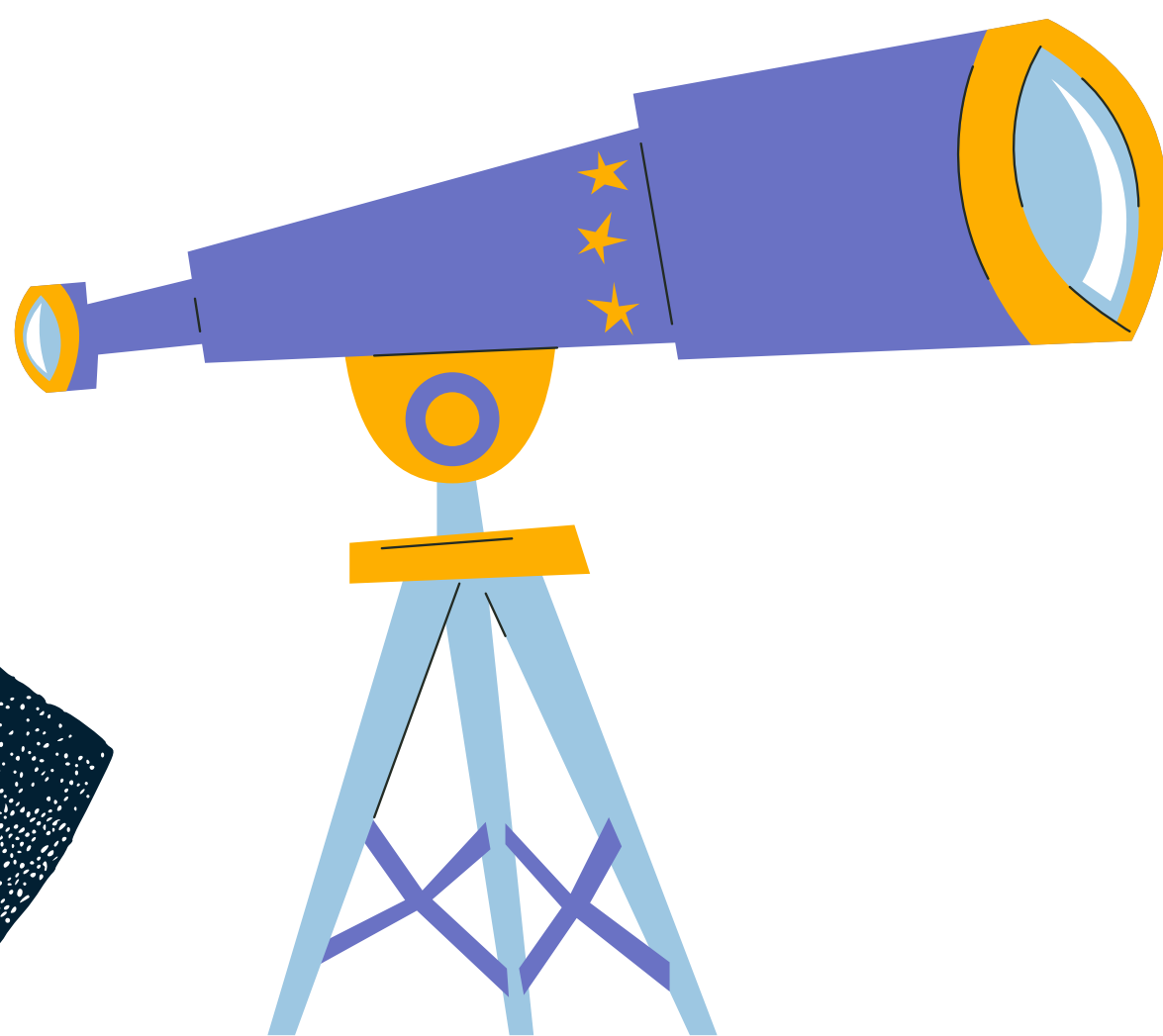
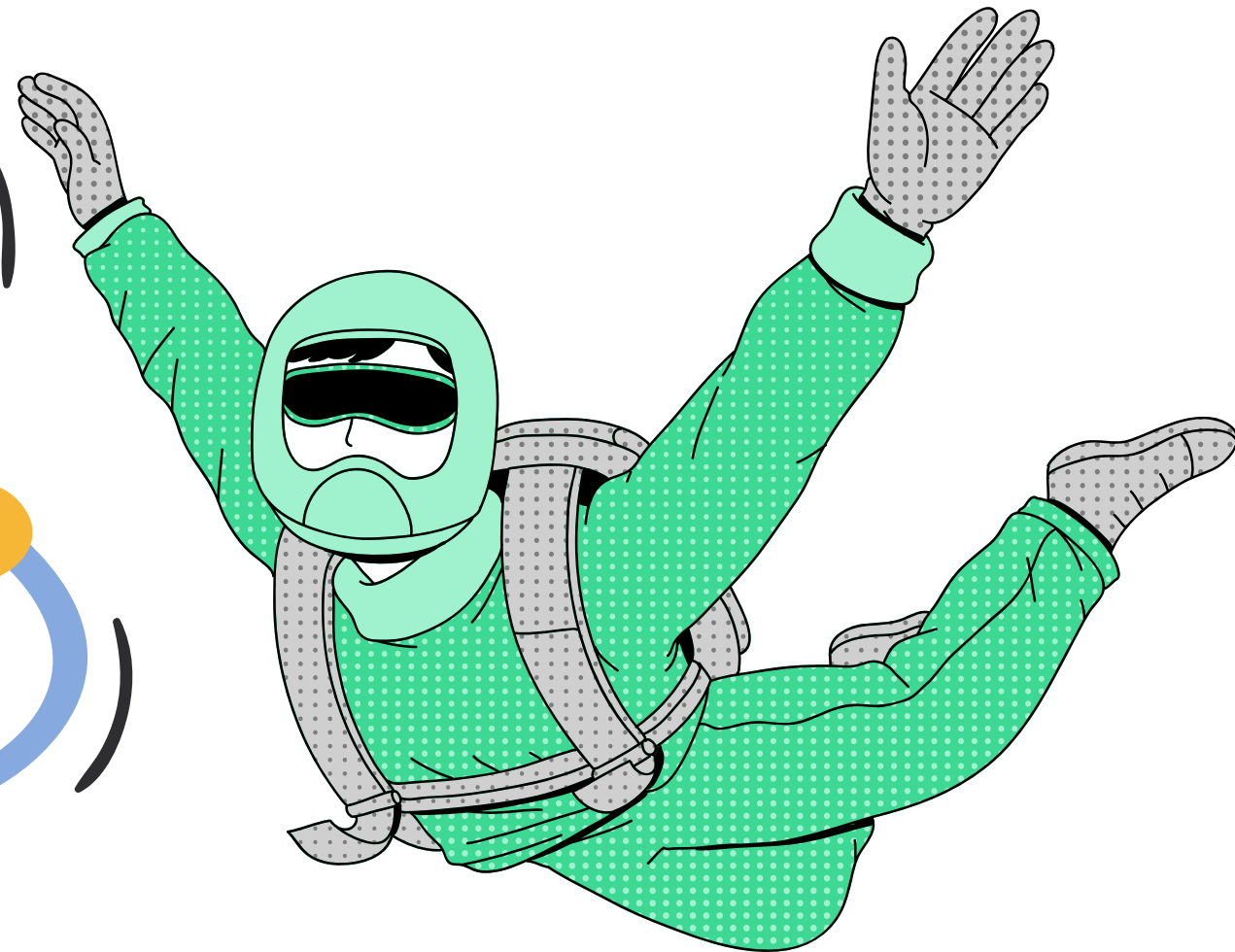
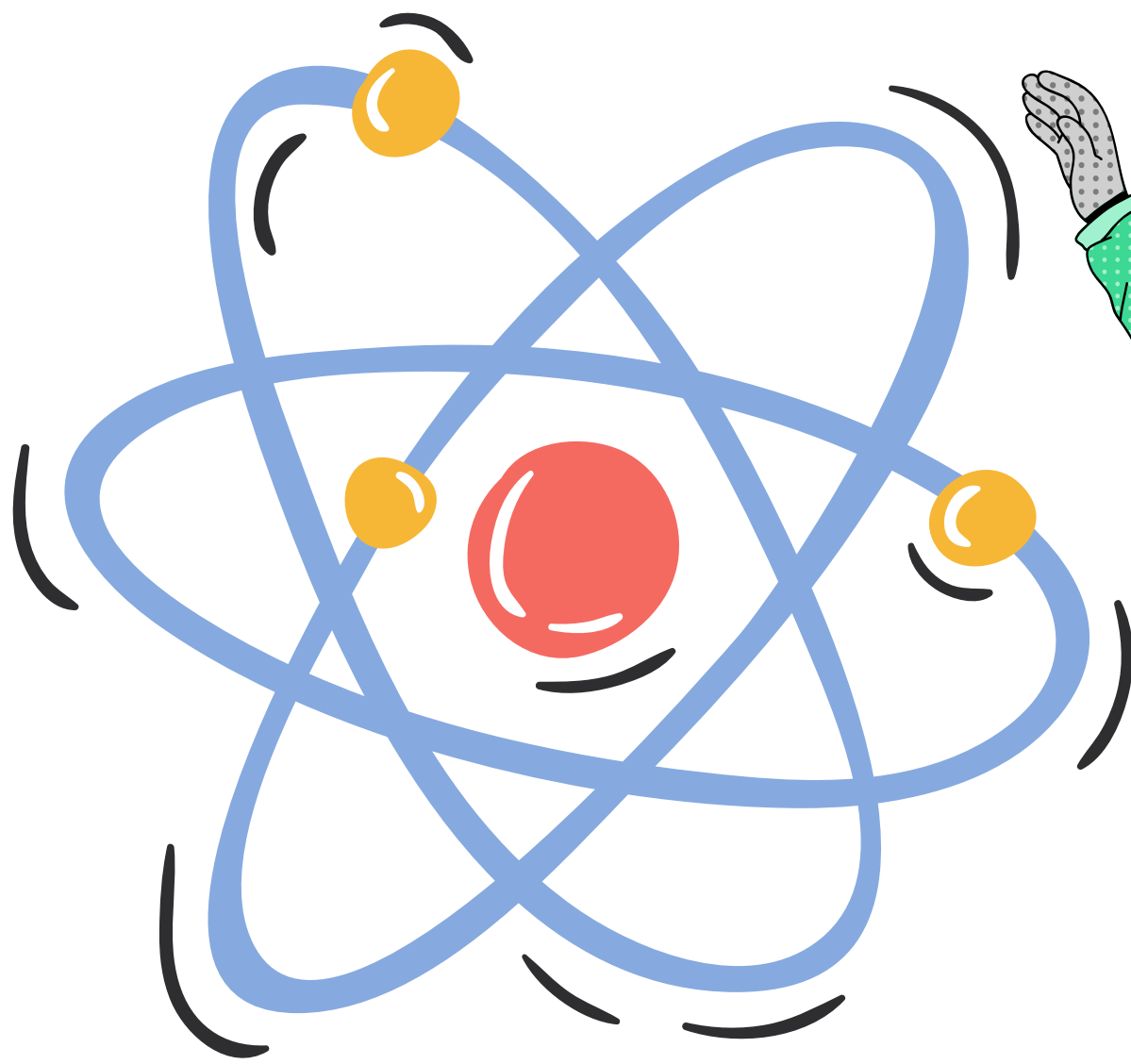
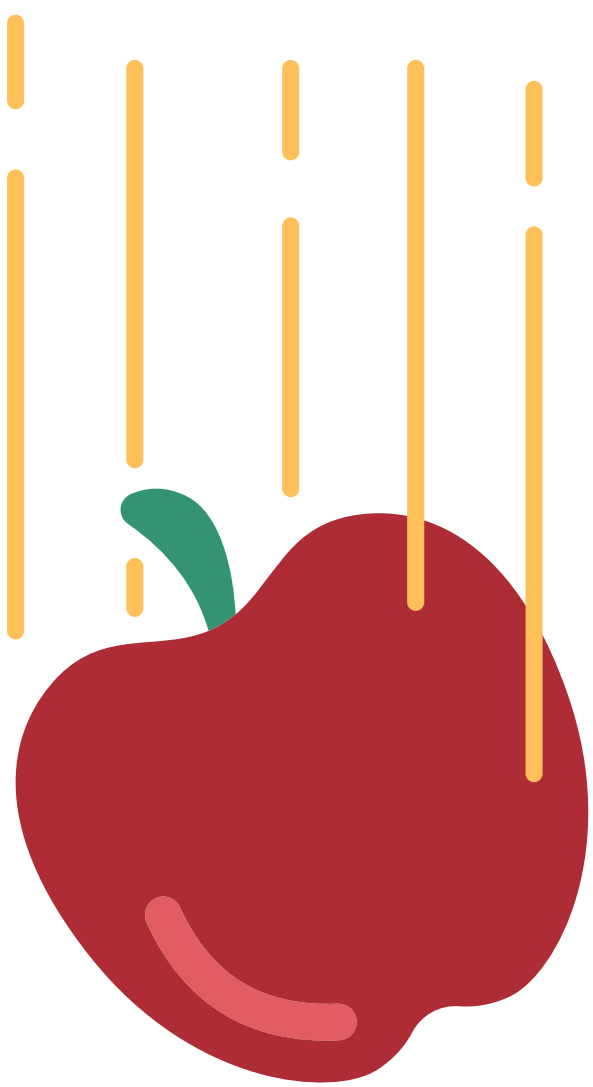


GCSE Physics

WHAT IS IN THE COURSE?



The 8 topics in GCSE Physics

These lessons follow the AQA Spec, however, the spec is similar across the exams boards.

Paper 1

Energy

Electricity

Particle model of matter

Atomic structure

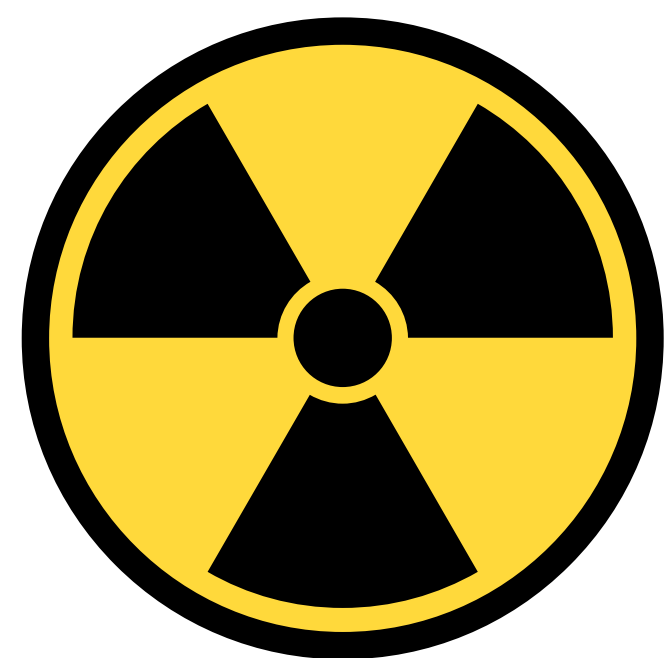
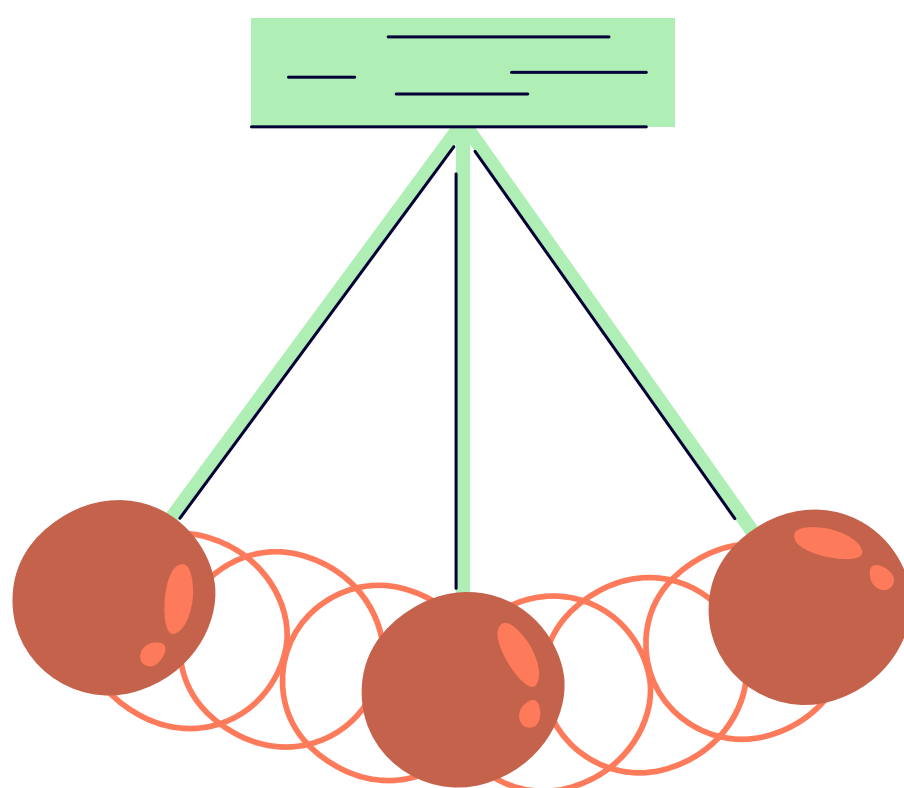
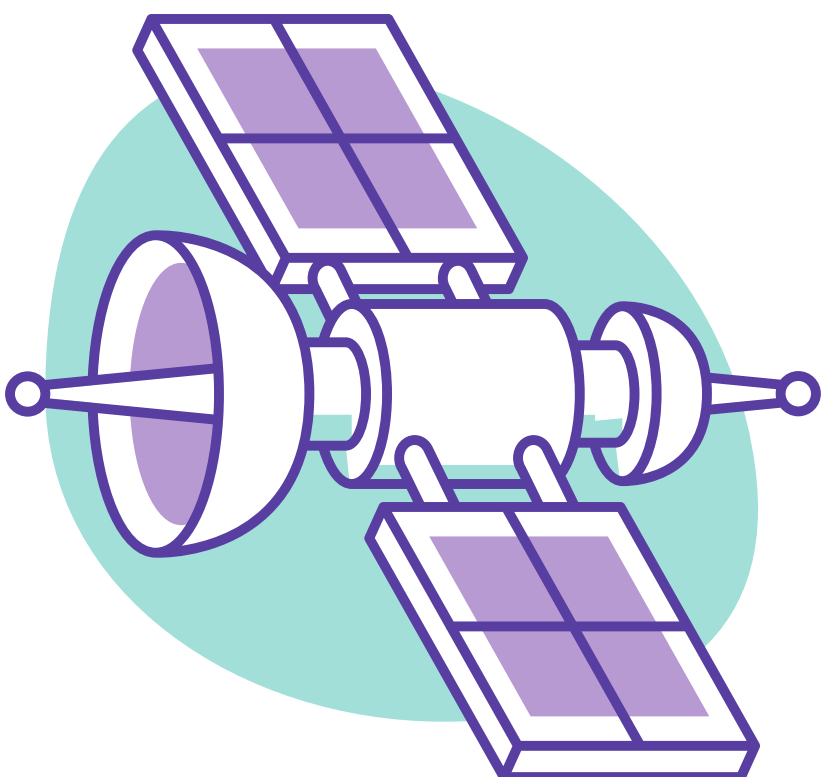
Paper 2

Forces

Waves

Magnetism and
electromagnetism

Space physics -triple





WHAT WILL YOU LEARN?

ENERGY

Energy changes in a system

Conservation and dissipation of energy

National and global energy resources

PARTICLE MODEL OF MATTER

Changes of state and the particle model

Internal energy and energy transfers

Particle model and pressure

ELECTRICITY

Current, potential difference and resistance

Series and parallel circuits

Domestic uses and safety

Energy transfers

Static electricity - Triple

ATOMIC STRUCTURE

Atoms and isotopes

Atoms and nuclear radiation

Hazards and uses of radioactive emissions and of background radiation- triple

Nuclear fission and fusion - triple



WHAT WILL YOU LEARN?

FORCES

Forces and their interactions

Work done and energy transfer

Forces and elasticity

Moments, levers and gears - triple

Pressure and pressure differences in fluids - triple

Forces and motion

Momentum - higher

WAVES

Waves in air, fluids and solids

Electromagnetic waves

Black body radiation- triple

MAGNETISM AND ELECTROMAGNETISM

Permanent and induced magnetism, magnetic forces and fields

The motor effect

Induced potential, transformers and the National Grid - triple, higher



WHAT WILL YOU LEARN?

ANSWERING EXAM QUESTIONS

The different exam questions

How to answer exam questions

Past paper walkthrough

QUANTITATIVE SKILLS FOR PHYSICS

The Quantitative Skills for Physics focuses on mathematical skills tailored to the requirements of GCSE Physics