



Key Stage: 4

Subject: Physics

Aims of the subject: The Physics GCSE course enables you to learn about key concepts relating to the physical world around you. Once you have begun to grasp these ideas, they can lead you for example, towards explaining how the technology around you works. You will work towards developing investigative skills throughout the course.

GCSE Examination Board: AQA

Assessment Overview: Paper 1. (1 hour 45 minutes)

- Energy • Electricity • Particle model of matter • Atomic structure

Paper 2. (1 hour 45 minutes)

- Forces • Waves • Magnetism and electromagnetism • Space physics

Year	What will I learn?	Assessment
Year 9	Term 1: Waves (light, sound, electromagnetic waves) Term 2: Waves (seismic waves, colour, lenses) Forces (Resultant forces, mass & weight, work & energy) Term 3: Forces (Elasticity, moments & machines, motion)	End of topic tests and synoptic half term assessments.
Year 10	Term 1: Forces (Motion, pressure) Energy (Conservation and dissipation of energy) Term 2: Energy (Energy transfer by heating, energy resources) Term 3: Energy (Energy resources) Particles (Electric Circuits and electricity in the home)	End of topic tests and synoptic half term assessments.
Year 11	Term 1: Particles (Molecules and matter, radioactivity) Electromagnetism Term 2: Electromagnetism Space	End of topic tests and synoptic half term assessments.

How you can support your child's progress

- Ask your son or daughter to tell you what they have learnt in recent lessons.
- Question your child using their text book/revision guide.
- Prompt discussions about Physics by looking through the exercise book and Kerboodle resources.
- Support your child in committing one hour per week to revisit past content (this is in addition to set homework).