



## Key Stage: 4

**Subject:** Physics (Combined Science)

**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 15 minutes)

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

### Paper 2. (1 hour 15 minutes)

- Forces • Waves • Magnetism and electromagnetism • Space physics

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

## **Extra-curricular opportunities**

### **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).