

Physics

Course Title: Physics

Course Type: A-Level Linear

Exam Board: AQA

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What will I study?

Physicists explore the fundamental nature of almost everything we know of. They probe the furthest reaches of the Earth to study the smallest pieces of matter. Join them to enter a world deep beneath the surface of normal human experience.

A-level Physics lasts two years, with exams at the end of the second year. The table below shows the topics covered in each year.

Year one	Year two
Measurements and their Errors	Thermal Physics
Particles and Radiation	Gravitational Fields
Waves	Electric Fields
Quantum Physics	Capacitance
Mechanics	Magnetic Fields
Electricity	Nuclear Physics
Materials	Option topic: Turning Points in Physics
Further Mechanics	

Physics, like all sciences, is a practical subject.

Throughout the course you will carry out practical activities including:

- investigating interference and diffraction of laser light
- measuring acceleration due to gravity
- investigating systems that oscillate
- investigation of the links between temperature, volume and pressure
- safe use of ionising radiation
- investigating magnetic fields.

These practicals will give you the skills and confidence needed to investigate the way things behave and work. It will also ensure that if you choose to study a Physics-based subject at university, you'll have the practical skills needed to carry out successful experiments in your degree.

Where will this course take me?

A Level Physics can lead onto all sorts of fields of study or work. As well as the chance to study Physics at University, the subject will also help if you go on to study Mathematics or Chemistry after A-level. If apprenticeships are taken up then Physics is particularly useful within the field of Engineering. With Physics being such a highly regarded subject, the opportunities that open up with a good Physics grade extend beyond the mathematical sciences area.

Entry requirements:

Please see curriculum overview sheet for entry requirements.