

PHYSICS

Physics is the study of the fundamental nature of almost everything we know

COURSE DETAILS

A level
AQA - 7408
Physics (Science) GCSE Grade 6 and
Maths GCSE Grade 6 or higher

Physics A level probes the furthest reaches of the earth to study the smallest pieces of matter. It will give you the skills 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 topics covered include Particles and Radiation, Waves, Mechanics, Electricity, Thermal Physics, Fields and Nuclear Physics. There is also an option topic, where we can choose from additional subjects such as Astrophysics or Turning Points in Physics. Physics, like all Sciences, is a practical subject and so includes experiments such as investigating interference and diffraction of laser light, measuring acceleration due to gravity and investigating systems that oscillate. The practicals are devised to give the skills and confidence needed to investigate the way things behave and work.

There is no coursework but performance during experiments will be assessed. There are three, two-hour exams at the end of the two years. Both theory and experimental work are designed to give you the skills and knowledge need to be successful at degree level.

With careers like:

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| 1 Geophysicist/field seismologist | 1 Research scientist |
| 1 Healthcare scientist, medical physics | 1 Secondary school teacher |
| 1 Radiation protection practitioner | 1 Structural engineer |
| | 1 Product/process development scientist |
| | 1 Systems developer |

You can also move into astrophysics, chemical physics, nanotechnology and more.

