

PHYSICS A-LEVEL

WHAT WILL I STUDY?

One of the most sought after subjects for entry into higher education, Physics focuses on the organisation of the universe and the laws that affect its behaviour. A Level Physics is a traditional and well respected science qualification and a requirement for admission to many engineering and scientific degree courses.

In Year one you will investigate mechanics, electricity, waves and particle physics. In year two areas of study will include gravitational fields, electromagnetism and thermodynamics.

Much of the course contains a strong mathematical focus and students are expected to have a strong background in mathematics and to choose Maths as another of their subjects.

You will develop strong numeracy and analytical skills and carry out a range of laboratory-based experiments and activities to enhance both your understanding and practical skills.

WHAT NEXT?

A key course for students planning to continue on to university to study a physical sciences degree or any branch of engineering; it is also a useful support subject in any science degree, including medicine. Please note a physics based degree course would require A Level Mathematics also. The Physics A-Level course also provides a strong grounding for those wishing to pursue other analytical subjects at degree level. Alternatively, students may consider direct entry into employment.

ASSESSMENT

Exam (100%). Students must also produce a portfolio of evidence to demonstrate their competence in a variety of practical tasks (practical endorsement)

DURATION

2 years

ENTRY REQUIREMENTS

Standard entry requirements to include grade 6 in GCSE Mathematics and 4 in English, plus grade 6 in GCSE Physics or 66 in Core Science and Additional Science.

EXAM BOARD

AQA

COSTS

Approximately £23 per year for textbooks, plus optional field trips.