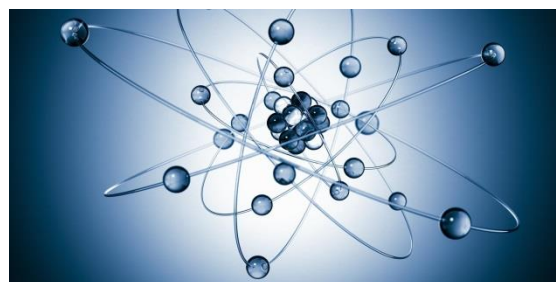


P hysics



Physics A-level is an exciting and relevant A-level seen as very strong academically and mathematically. Physics develops high level analytical skills which are much sought after by universities and employers. Studying physics opens students' minds simultaneously to the vastness and minuteness of nature and the universe and encourages the appreciation of all that surrounds us. Physics A-level compliment many other subjects including maths and all other science A-levels.

Course Outline

Y12

Working as a physicist
Mechanics and Materials
Waves and Light
Electricity
Particles and Radiation

Paper 1 (90min/50%)

70 Marks, short and long answers

Paper 2 (90min/50%)

70 Marks, focused on practicals

Y13

As above plus
Further mechanics and thermal physics
Fields
Nuclear physics
Turning points in physics

Paper 1 (120min/34%) - 85 marks
Y12 Content focus

Paper 2 (120min/34%) - 85 marks
Y13 Content focus

Paper 3 (120min/32%) – 80 marks
Application focused

Career Progression

Highly versatile and sought after qualification – students with physics A-levels and degrees are assumed to have highly developed analytical skills and physics graduates are highly sought after in industry and other areas. There is in particular a national focus on increasing the number of girls studying physics A-level and going on to studying physics careers at university.

Complementary Subjects

It is **strongly** recommended to take A-level Maths alongside physics – the course involves a lot of Maths, and most university programs related to Physics want both.

- Physics, maths and Chemistry
- Physics, maths and Biology
- Physics, maths and **Further Maths**
- Physics, maths and Philosophy
- Physics, maths and Geography

Entry requirements

GCSE Physics: 7

GCSE Trilogy Science: 7 in Physics Papers

GCSE Maths: 7

