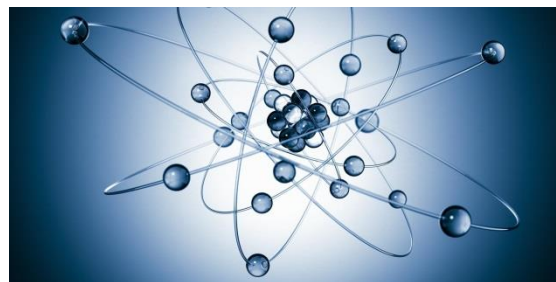


P hysics



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

AS Level

1. Working as a physicist
2. Mechanics
3. Materials
4. Waves and Light
5. Electricity

Paper 1 (90min/50%) sections 1,2,5 ;
80 marks

Paper 1 (90min/50%) sections 1,3,4 ;
80 marks

A Level

As above plus

1. Further mechanics
2. Electric and Magnetic Fields
3. Nuclear and particle physics
4. Thermodynamics
5. Space
6. Radiation
7. Gravitational Fields
8. Oscillations

Paper 1 (105min/30%) - 90 marks

Paper 2 (105min/30%) - 90 marks

Paper 3 (150min/40%) – 120 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 and **Maths**
- Physics and Chemistry
- Physics and Biology
- Physics and Philosophy
- Physics and Geography/Geology
- Physics and Graphic Design/Art (Architecture)

Entry requirements

GCSE Physics: 7

GCSE Trilogy Science: 7 in Physics Paper 1 and Physics Paper 2

GCSE Maths: 7

