



What the course will involve -

AS Physics -

AS1 Particles, Quantum Phenomena and Electricity
'This module covers modern physics, going beyond the atom to find out about quarks, antiquarks and other strange particles and also covers the topic of electricity.'

AS2 Mechanics, Materials and Waves
'This module extends the work done at GCSE on forces and motions and gases, using mathematics to improve our understanding. It also looks at material properties, and develops the students' understanding of waves (including the use of lasers).'

AS3 Investigative and Practical Skills

A2 Physics -

The final year will bring the opportunity to extend your studies to include Electromagnetic fields, Nuclear instability and Astrophysics.

Exam Board: AQA

Assessment -

Assessment of the AS level is by two $1\frac{1}{4}$ hour exams. These exams will take place in May/June. In addition, during the year you will complete a practical skills assessment which counts for 20% of the total AS marks.

The final A2 year follows a similar pattern, although the 2 externally assessed papers are $1\frac{3}{4}$ hours each.

Note that the mathematical content of the AS level is not so hard that you have to do AS level maths, but it would be an advantage.

What the course can lead to -

Physics A Level is a valuable preparation for many courses in the Sciences, Mathematics and Business (many universities now offer Science and Management courses). Students have also gone on to study Physics, Medicine, Astronomy and Engineering at university.

The job market for careers utilising physics concepts and skills is very strong. Physicists have many transferable skills which are highly valued by employers in a wide range of fields.



Entry Requirements -

Grade B in Mathematics. Pupils who have studied Core/Additional Science must have a grade B in each of the courses with an overall grade B in the Physics sections of the paper. Pupils who have studied Separate Sciences must have passed all three, with two of them having the minimum of a grade B, including Physics.