



Course Description

Studying AS/A-Level Physics course will prepare students for a career or further study in physics, engineering, one of the other sciences or related areas. Key concepts are treated separately at AS; important links between different areas of physics are largely assessed at A2. Practical skills are integrated with the theoretical topics and this enables students to develop skills suitably to individual topics and needs.

Scheme of Assessment

Year 1 (AS)

Module 1 – Development of Practical Skills in

Physics Module 2 – Foundations in Physics

Module 3 – Forces and Motion

Module 4 – Electrons, Waves and Photons

Year 2 (A-Level)

Module 5 – Newtonian world and Astrophysics

Module 6 – Particles and Medical Physics

Modelling Physics Exam (2hr15m - Modules 1, 2, 3 and 5 – 37% of A-Level)

Exploring Physics Exam (2hr15m - Modules 1, 2, 4 and 6 – 37% of A-Level)

Unified Physics Exam (1hr30m—Modules 1-6 – 26% of A-Level)

Practical Endorsement in Physics Assessment

Examining Body: OCR

Entry Requirements

5 GCSEs 9 - 5 including a grade 6 in Double and Triple Science. Minimum grade 6 in Maths and English Language GCSE

What equipment or materials do I need?

You are advised to purchase textbooks prior to commencing the course.

Career Progression

Studying Physics at the A 'level can open up opportunities in further education courses and careers in several fields. The subject provides a passport to a huge range of career routes like:

Architecture, Engineering, Actuarial science, Optoelectronics, Computing Nanotechnology, Astrophysics, Medical physics, Meteorology, Geophysics, Teaching, and direct route to employment.

“Science is a way of thinking much more than it is a body of knowledge”