



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 – Measurements and their errors

Module 2—Particles and radiation

Module 3 – Waves

Module 4 – Mechanics and materials

Module 5 - Electricity

Year 2 (A-Level)

Module 6 – Further mechanics and thermal physics

Module 7—Fields and their consequences

Module 8—Nuclear physics

Module 9—Option (Astrophysics/Medical physics/Engineering/Turning points or Electronics)

Assessment:

Paper 1—Sections 1-5 and 6.1 (periodic motion)
(written exam: 2 hours, 34% of A-level)

Paper 2—Sections 6.2 (thermal physics), 7 and 8. Assumed knowledge of paper 1 (written exam: 2 hours, 34% of A-level)

Paper 3—Section A practical skills and data analysis (written exam: 2 hours, 30% of A-level), plus section B option (written exam: 2 hours, 32% of A-level).

Examining Body: AQA

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”