

A-Level Physics

COURSE OUTLINE

Physics isn't about making things complicated. It's about keeping it simple. It's about taking things that seem very unrelated: a car going around a roundabout, a planet going around a star, a sock going around a washing machine and realising they can all be explained by the same equations.

Physicists take equations and explain the universe or make cool things happen: Lasers! Space travel! MRI Scanners!

Join our course and broaden your knowledge to include Cosmology, Medical Physics and Quantum Phenomenon. We will help you develop the analytical and problem-solving skills that employers and course providers love.

COURSE REQUIREMENTS

Students who wish to study Physics at A-Level are required to have a grade 6 in GCSE English and a GCSE Grade 6 in Physics or Combined Science and GCSE Grade 6 in Maths.

COURSE CONTENT & ASSESSMENT

Modules

1. Development of Practical Skills in Physics
2. Foundations of Physics
3. Forces and Motion
4. Electrons, Waves and Photons
5. Newtonian World and Astrophysics
6. Practical Endorsement in Physics 04 - (Non-exam assessment) Reported separately (Pass or Fail)

Assessment Overview

Modelling of Physics 01

100 marks: 2hr 15 minutes written paper that assesses modules 1,2,3,4 37% of total A-Level

Exploring Physics 02

100 marks: 2hr 15 minutes written paper that assesses modules 1, 2, 4 & 6 37% of total A-Level

Unified Physics 03

70 marks: 1hr 30 minutes written paper that assesses modules 1-6 26% of total A-Level

PROGRESSION

Students can follow this course with a degree course in physics, nuclear science, medicine, astronomy/cosmology and many engineering subjects are also available. UCAS handbooks will give you further guidance. HND courses in engineering and related subjects.

Employment in the area of high energy research, aeronautical engineering and space science are possible examples.