

ENTRY REQUIREMENTS: Grade 7 in GCSE Physics and Maths

COURSE OVERVIEW

The course is structured into 6 modules. In year 12 you will cover materials, waves, quantum physics and electricity. In year 13, you progress onwards with further particle physics, Thermal Physics, Astrophysics and cosmology.

WHY SHOULD I STUDY PHYSICS?

A-level Physics develops advanced reasoning, problem-solving, and analytical skills, preparing students for university or the workplace. It encourages logical, methodical approaches to problem-solving and explores the fundamental laws of matter and energy, including forces like gravity and how aircraft stay in the air.

WHAT COURSES CAN THIS PREPARE ME FOR AT UNIVERSITY?

An A-Level in Physics prepares you for university courses such as Physics, Engineering, Astronomy, Architecture, and Computer Science, building a foundation for technical and scientific degrees.

WHAT CAREERS CAN THIS SUBJECT SET ME UP FOR?

An A-Level in Physics can lead to careers in engineering, research, technology, and education. Roles include physicist, engineer, data analyst, lab technician, and aerospace technician.

COURSE SPECIFICATION

EXAM BOARD: OCR

Paper	Content	Duration	Weighting
1	Modelling physics - 100 marks	135 mins	37%
2	Exploring physics - 100 marks	135 mins	37%
3	Unified physics - 70 marks	90 mins	26%
4	Practical endorsement in physics	n/a	n/a