

Physics

Course overview

A Level

Level 3

Physics presents a content-led, flexible approach where the specification is divided into topics, each covering different key concepts. As you progress through the course you will build on your knowledge of the laws of Physics on topics ranging from sub-atomic particles to the entire universe.

Entry Requirements

You must have a minimum of 5 grades 9-4 (equivalent to A*-C) at GCSE, including English and Maths at grade 4, plus you must also meet the specific subject entry requirements.

Subject Specific Requirements

Grade 6 in Double Science GCSE or grade 6 in Physics and grade 6 in Maths GCSE. Maths (Mechanics) must be taken at A Level.

Popular Subject Combinations

A Level: Mechanics, Further Maths, Chemistry, Biology, English, Design and technology

BTEC:

Possible Enrichment Opportunities

Physics Olympiad
EPQ

What will I learn?

Making observations enables you to understand the interactions between quantities in physics, and so practical work is an important part of the course. You will learn about the importance of the estimation of physical quantities and appreciate the limitations of measurements. The A Level specification content is divided into six teaching modules.

Development of practical skills in physics, foundations of physics, forces and motion, electrons - waves and photons, Newtonian world and astrophysics, particles and medical physics.

The practical endorsement will also support the development of practical skills throughout the course.

How will I be assessed?

There are three externally assessed examinations at the end of the two year course.

There is no coursework. The practical endorsement component will be reported separately from the performance in the A Level exams.

Where might it lead?

The A Level Physics course will prepare learners for progression to undergraduate study, enabling them to enter a range of academic and vocational careers in mathematics-related courses, physical sciences, engineering, medicine, computing and related sectors. For learners wishing to follow an apprenticeship route or those seeking direct entry into physical science careers, this A level provides a strong background and progression pathway.

If you would like further information about this course please contact the admissions team at