



Physics

Course Title
Physics

Awarding Body
OCR

Course Level
A Level - 2 year

Course Description

The Physics course takes you on a thrilling journey in discovering the science behind 'matter and energy'. The content is divided up into manageable sized topics allowing the learning of new and existing concepts to be secured before developing the skill of application. Physical science is continuously expanding in the modern world with new developments being discovered all of the time, most recently being the CERN Large Hadron Collider. Taking Physics can provide an entry into a range of higher education routes (not just science based) and can support many employment opportunities.

Course Content

Year 12 : Students will complete four topics – Development of practical skills in physics, foundations of physics, forces and motion and also electrons, waves and photons.

Year 13 : Students will complete a further two units in year 13 – Newtonian world and astrophysics followed by particles and medical physics.

Throughout the two year course, students also need to complete 12 compulsory practical's for the pass or fail Practical assessment.

Assessment

Throughout the course students will be provided with continuous support, guidance and examination practice to allow them to succeed during assessment.

A2 – 2 exam papers, each 2 ¼ hours plus 1 of 1 ½ hours, and you shall be assessed on your practical skills.

Progression Routes

A Level Physics is a good academic option which combines well with many other subjects, science and non-science based, providing a firm foundation for those who wish to continue to higher education. Physics is necessary for many career pathways, including Medical Physics, Communications, Energy, Meteorology, and Nanotechnology. Many employers, for those who wish to seek employment, also hold it in high regard.

Entry Requirements

GCSE level 6 in Science/Physics, English and Mathematics.