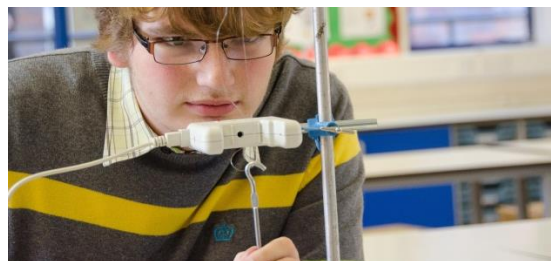




Physics



Overview

Advancing Physics is an innovative course reflecting physics as it is practised and used today. The A Level course enable students to learn about both fundamental physical concepts and about physics in everyday and technological settings. It shows the usefulness of the subject and illustrates the impact that discoveries in physics have had on the way people live. Designed in collaboration with the Institute of Physics, the course provides an excellent foundation for further study at University in a wide spectrum of subjects.

Assessment

A Level – two year course	
40% of marks available in written exams are for the assessment of mathematical skills	
<p>Content is split into six teaching modules:</p> <ul style="list-style-type: none">• Module 1 – Development of practical skills in physics• Module 2 – Fundamental data analysis• Module 3 – Physics in action• Module 4 – Understanding processes• Module 5 – Rise and fall of the clockwork universe• Module 6 – Field and particle physics <p>Components 01– 03 assess content from all six modules.</p>	
Component 01 - Fundamentals of Physics 2 hrs 15 mins written exam, 110 marks	41% of A level
Component 02 - Scientific Literacy in Physics 2 hrs 15 mins written exam, 100 marks	37% of A level
Component 03 - Practical Skills in Physics 1 hr 30 mins written exam, 60 marks	22% of A level
Practical endorsement in Physics Non-exam assessment	Reported separately

Exam Board



Specification

A level: H557

<http://www.ocr.org.uk/qualifications/as-a-level-gce-physics-b-advancing-physics-h157-h557-from-2015/>

Subject Specific Entry Requirements

It is essential that students achieve a high Grade 6 or above in Science / Physics at GCSE and a Grade 6 or above in Maths GCSE, due to the level of numeracy required on this course. Students who have taken foundation papers or achieved lower grades will struggle to achieve a grade at A level.

“Physics lessons put the fun into fundamental concepts of the universe.”

Harry

Progression and Career Opportunities

Studying Physics offers an excellent spring board for a wide variety of careers. Success in this subject is generally recognised to indicate an analytical mind, capable of original thought, with a good memory. As such, Physics students at A level or beyond are very well regarded.