



Course Details

A Level Physics

Exam Board	OCR
Syllabus title	Physics A
Course Code	H556 (2-year A level) http://www.ocr.org.uk/alevelphysicsa
Course Content	Module 1: Development of Practical Skills in Physics Module 2: Foundations in Physics Module 3: Forces & Motion Module 4: Electrons, Waves & Photons Module 5: Newtonian World & Astrophysics Module 6: Particles & Medical Physics
Assessment and weighting	A Level Paper 1: Modelling Physics (37%) A Level Paper 2: Exploring Physics (37%) A Level Paper 3: Unified Physics (26%)
Trips/visits	A Level: Endorsement of Practical Work – Pass/Fail Ad hoc local trips if suitable opportunities arise
Future opportunities/ career	The course is directly relevant for many degrees in physics or related subjects including medicine, medical physics and engineering. The subject can also support an application for a degree in something completely different. A good A level pass in Physics is also evidence of general academic standards and transferable skills for candidates who wish to move straight into employment.
Links with other Subjects	Candidates who are also taking at least one of the following subjects will have a much greater choice of destinations and courses when they leave school: Biology, Chemistry, Computer Science, Geography, Mathematics, Further Mathematics



Person
Specification

A Level Physics

Qualifications/
School record

Essential

- Grade 5 or better in GCSE Physics OR GCSE Combined Science; Trilogy
- GCSE grade 5 or better in English
- GCSE grade 6 or better in Mathematics
- 95% or better attendance in year 11
- ATL in sciences never less than 2 (good) during KS4

Attitude/Qualities

- Hard working & organised
- Positive & enthusiastic
- An interest in the applications of physics and the nature of the universe
- An interest in practical work and the process of scientific enquiry

Skills

- Safe handling of laboratory equipment
- Handling data and plotting graphs and charts
- Competence in general arithmetic, standard form and basic algebra
- Learning and using specialist vocabulary
- Working as part of a small team

Experience

Desirable:

Qualifications/
School record

- Grade 6 or better in GCSE Physics OR GCSE Combined Science; Trilogy
- Grade 7 or better in GCSE Mathematics

Skills

- General skills in ICT for word-processing and making presentations

Experience