



Maths &  
Computing

## Course Details

# A Level Physics

<b>Exam Board</b>	OCR
<b>Syllabus title</b>	Physics A
<b>Course Code</b>	H556 (2-year A level) <a href="http://www.ocr.org.uk/alevelphysicsa">http://www.ocr.org.uk/alevelphysicsa</a>
<b>Course Content</b>	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
<b>Assessment and weighting</b>	A Level Paper 1: Modelling Physics (37%) A Level Paper 2: Exploring Physics (37%) A Level Paper 3: Unified Physics (26%)
<b>Trips/visits</b>	A Level: Endorsement of Practical Work – Pass/Fail Ad hoc local trips if suitable opportunities arise
<b>Future opportunities/ career</b>	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.
<b>Links with other Subjects</b>	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	<b>Essential</b>	• Grade 6 in single science Physics or 6/6 in trilogy science	
		• GCSE grade 5 or better in English	
		• GCSE grade 6 or better in Mathematics	
		• 95% or better attendance in year 11	
Attitude/Qualities	• ATL in sciences never less than 2 (good) during KS4		
	• Hard working & organised		
	• Positive & enthusiastic		
Skills	• An interest in the applications of physics and the nature of the universe		
	• An interest in practical work and the process of scientific enquiry		
	• Safe handling of laboratory equipment		
	• Handling data and plotting graphs and charts		
Experience	• Competence in general arithmetic, standard form and basic algebra		
	• Learning and using specialist vocabulary		
	• Working as part of a small team		
Qualifications/ School record	<b>Desirable:</b>	• Grade 7 in single science Physics or 7/7 in trilogy science	
Skills		• Grade 7 or better in GCSE Mathematics	
Experience		• General skills in ICT for word-processing and making presentations	