

## Physics Course Information

Title of Course	<b>Physics</b>
Exam Board	OCR
Syllabus title	Physics A
Course Code	H556 (2-year A level) <a href="http://www.ocr.org.uk/alevelphysicsa">http://www.ocr.org.uk/alevelphysicsa</a>
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%)  A Level: Endorsement of Practical Work – Pass/Fail
Trips/visits	Ad hoc local trips if suitable opportunities arise
Future opportunities/ careers	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

	<b>Essential:</b>
Qualifications / School Record	<ul style="list-style-type: none"> <li>• Grade b or better (UMS &gt; 69) on BOTH GCSE papers P1 &amp; P2</li> <li>• GCSE grade 5 or better in English</li> <li>• GCSE grade 6 or better in Mathematics</li> <li>• 95% or better attendance in year 11</li> <li>• ATL in sciences never less than 2 (good) during KS4</li> </ul>
Attitude / Qualities	<ul style="list-style-type: none"> <li>• Hard working &amp; organised</li> <li>• Positive &amp; enthusiastic</li> <li>• An interest in the applications of physics and the nature of the universe</li> <li>• An interest in practical work and the process of scientific enquiry</li> </ul>
Skills	<ul style="list-style-type: none"> <li>• Safe handling of laboratory equipment</li> <li>• Handling data and plotting graphs and charts</li> <li>• Competence in general arithmetic, standard form and basic algebra</li> <li>• Learning and using specialist vocabulary</li> <li>• Working as part of a small team</li> </ul>
	<b>Desirable:</b>
Qualifications / School Record	<ul style="list-style-type: none"> <li>• Grade c or better (UMS &gt; 59) on GCSE paper P3</li> <li>• Grade b or better (UMS &gt; 69) on any assessed GCSE practical work</li> <li>• Grade 7 or better in GCSE Mathematics</li> </ul>
Skills	<ul style="list-style-type: none"> <li>• General skills in ICT for word-processing and making presentations</li> </ul>