

<b>Course Title</b>	Physics
<b>Exam Board</b>	Edexcel
<p>SCHEME OF EXAMINATION  ALL A LEVEL UNITS  Year 12  Topic 1: Working as a Physicist  Topic 2: Mechanics  Topic 3: Electric Circuits  Topic 4: Materials  Topic 5: Waves and the Particle Nature of Light  Topic 6: Further Mechanics  Topic 13: Oscillations  Year 13  Topic 7: Electric and Magnetic Fields  Topic 8: Nuclear and Particle Physics  Topic 9: Thermodynamics  Topic 10: Space  Topic 11: Nuclear radiation  Topic 12: Gravitational Fields</p>	
<p><b>Assessment:</b>  Assessment Objectives:  AO1 Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures 31-33%  AO2 Apply knowledge and understanding of scientific ideas, processes, techniques and procedures in a theoretical context / a practical context / when handling qualitative data/ when handling quantitative data 41-43%  AO3 Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues to make judgements and reach conclusions, and to develop and refine practical design and procedures.  Paper 1: Advanced Physics I  30% of the total qualification 1 hour 45 minutes 90 marks  Paper 2: Advanced Physics II  30% of the total qualification 1 hour 45 minutes 90 marks  Paper 3: General and Practical Principles in Physics  40% of the total qualification 2 hour 30 minutes 120 marks  Note: Questions may involve two or more topics  Science Practical Endorsement  This element of the course is teacher assessed. It is undertaken via the in-class assessment of practical skills shown during the undertaking of some core practical activities. It does not contribute to the overall grade for the qualification, but the result of the practical endorsement will be recorded on the student's certificate. The written papers will have questions that relate to these core practicals.</p>	
<p><b>Admission Criteria:</b>  Grade 7 in GCSE Physics or Grades 7 and 7 in GCSE Combined Science.</p>	
<p><b>Additional Information:</b>  It is useful, but not essential for students to study A Level Mathematics. Any mathematics beyond GCSE that is required by the Physics course will be taught in Physics lessons. An advanced qualification in Physics opens up a broad spectrum of career opportunities in science and engineering (mechanical, aeronautical, automotive, civil, electrical, marine, chemical and process engineering), architecture, surveying, medicine, mathematics and meteorology. The course can also form a part of a balanced selection of arts and science qualifications, suitable for a wide variety of degree courses.</p>	