

Course Title	Physics
Exam Board	Edexcel
SCHEME OF EXAMINATION ALL A LEVEL UNITS	
<p>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>	
Assessment	
<p>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.</p> <p>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</p> <p>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>	
Admission Criteria	
Grade 7 in GCSE Physics or Grades 7 and 7 in GCSE Combined Science plus Grade 6 in Maths.	

Additional Information

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.