

<b>Name of Course</b>	<b>International Advanced Level (IAL) Physics</b>
<b>Examining board</b>	<b>Edexcel</b>
<b>Link to specification</b>	<a href="https://qualifications.pearson.com/content/dam/pdf/International%20Advanced%20Level/Physics/2018/Specification%20and%20Sample%20Assessment/International-AL-Physics-Specification.pdf">https://qualifications.pearson.com/content/dam/pdf/International%20Advanced%20Level/Physics/2018/Specification%20and%20Sample%20Assessment/International-AL-Physics-Specification.pdf</a>
<b>Course entry requirements</b>	To study Physics at A-Level students should have at least a Grade B in Physics at IGCSE or equivalent.
<b>Why Physics?</b>	<p>This course will give the students an opportunity to study a range of topics such as Electricity, Classical and Quantum Mechanics, Materials, Waves etc. This qualification enables students to develop a deep appreciation of the skills, knowledge and understanding of scientific methods and also develops competence and confidence in a variety of practical, mathematical and problem solving skills.</p> <p>The knowledge and skills that are achieved by studying Physics can lead to many careers including engineering, medicine, computing, banking and finance, research and teaching.</p>
<b>Course content (Year 12/AS)</b>	<b>Unit 1: Mechanics and Materials</b> <b>Unit 2: Waves and Electricity</b> <b>Unit 3: Practical Skills in Physics I</b>
<b>Course content (Year 13/A)</b>	<b>Unit 4: Further Mechanics, Fields and Particles</b> <b>Unit 5: Thermodynamics, Radiation, Oscillations and Cosmology</b> <b>Unit 6: Practical Skills in Physics II</b>
<b>Exam structure</b>	<p>Students will sit three exams at the end of Year 12 (IAS) and three exams at the end of Year 13. Papers include multiple-choice, short-open, open response, calculations and extended-writing questions.</p> <p>Unit 1 paper (40% of the total IAS, 20% of the total IAL)  Unit 2 paper (40% of the total IAS, 20% of the total IAL)  Unit 3 paper (20% of the total IAS, 10% of the total IAL)  Unit 4 paper (40% of the total IAS, 20% of the total IAL)  Unit 5 paper (40% of the total IAS, 20% of the total IAL)  Unit 6 paper (20% of the total IAS, 10% of the total IAL)</p>
<b>Summer suggestions</b>	<b>Head start to A Level Physics (CGP Books)</b> <b>A Level Physics: Essential Maths Skills (CGP Books)</b>