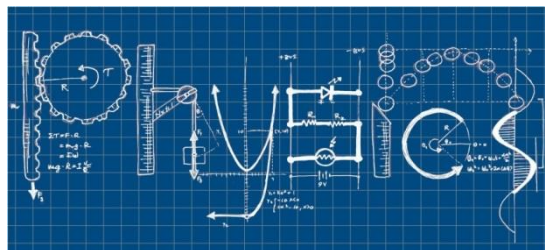


Physics



Exam Board	AQA
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Qualification	GCE AS level/GCE A level
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Entry Requirements	GCSE Physics at grade B or GCSE Dual Award Science at grade BA, GCSE Mathematics at grade B and English at GCSE grade B
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Content (Outline of Course)	A Level students will cover the following topics (AS level students will cover the first 5 topics only). Only 1 option topic is chosen to be covered by the class.															
	<table border="0"> <tr> <td>Topic 1: Measurements and Errors</td> <td>Topic 7: Fields</td> </tr> <tr> <td>Topic 2: Particles and Radiation</td> <td>Topic 8: Nuclear Physics</td> </tr> <tr> <td>Topic 3: Waves</td> <td>Topic 9: Thermodynamics</td> </tr> <tr> <td>Topic 4: Mechanics and Energy</td> <td>Option 1: Astrophysics</td> </tr> <tr> <td>Topic 5: Electricity</td> <td>Option 2: Medical Physics</td> </tr> <tr> <td>Topic 6: Further Mechanics and Thermal Physics</td> <td>Option 3: Engineering Physics</td> </tr> <tr> <td></td> <td>Option 4: Turning Points in Physics</td> </tr> <tr> <td></td> <td>Option 5: Electronics</td> </tr> </table>	Topic 1: Measurements and Errors	Topic 7: Fields	Topic 2: Particles and Radiation	Topic 8: Nuclear Physics	Topic 3: Waves	Topic 9: Thermodynamics	Topic 4: Mechanics and Energy	Option 1: Astrophysics	Topic 5: Electricity	Option 2: Medical Physics	Topic 6: Further Mechanics and Thermal Physics	Option 3: Engineering Physics		Option 4: Turning Points in Physics	
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Assessment	<p>Both A Level Physics and AS Physics are linear assessments, with all exams at the end of the course. The AS is a stand-alone qualification, which doesn't contribute to the A-level grade. In assessments, 40% of the total A-level marks require the use of Level 2 (Higher tier GCSE) mathematical skills.</p> <p>There will be no internal assessment that leads to marks that contribute towards the AS or A-level grades. Practical work will be assessed in the written papers. 15% of the total A-level marks will be for practical knowledge and understanding. A separate 'endorsement' of practical work will be assessed by teachers. This will not be graded. If students pass, it will be reported on their certificate, otherwise it will not be reported.</p> <p><u>Examinations</u></p> <p>AS = 2 written papers at the end of year 12 at times determined by the Board (June). Each paper is 1hr 30 minutes and comprises 50% of the overall grade. Paper 1 consists of 70 marks on all topics covered. Paper 2 consists of 70 marks, where 30 marks are multiple choice questions, 20 marks are experimental technique questions and 20 marks are questions on all topics covered.</p> <p>A Level = 3 written papers at the end of year 13 at times determined by the Board (June). Each paper is 2 hours. Paper 1 is worth 85 marks, is 34% of the overall grade, which consists of 60 marks of qualitative questions and 25 marks of multiple questions on topics 1-5 and periodic motion. Paper 2 is worth 85 marks, is 34% of the overall grade, which consists of 60 marks of qualitative questions and 25 marks of multiple questions on topics 6-9. Paper 3 is worth 80 marks, is 32% of the overall grade, consisting of 45 marks on data analysis questions and 25 marks on the option topic.</p> <p><u>Classwork</u></p> <p>Work in class will be varied and the work will be assessed through class discussion, short and formal testing, homework booklet activities, additional work and independent study assignments.</p> <p><u>Homework</u></p> <p>Homework will be set regularly through homework booklets and will be based on previous examination questions of the topics covered in the course to provide an insight into the experimental technique required.</p>
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Careers Guidance	<p>Entry into Higher Education institutions to study a very wide range of courses in faculties of Science, Engineering, Medicine, Law, Electronics, and a variety of combined courses leading to rewarding and satisfying employment.</p> <p>A small number of students prefer to enter the job market direct from Sixth Form.</p>
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