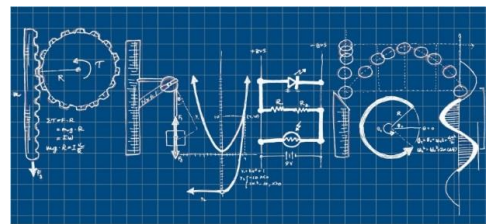


Physics



Exam Board	AQA																
Qualification	GCE A-Level Physics																
Entry Requirements	Grade 7 in Physics and Grade 77 in Combined Science (with high performance in the Physics element), Grade 6 in Maths																
Content (Outline of Course)	<p>A-Level students will cover the following topics Only 1 option topic is chosen to be covered by the class. Topics 1 – 5 will be fully covered in Year 12. Topics 6 – 9 and one option will be fully covered in Year 13.</p> <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 Materials</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 Materials	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		Option 5: Electronics
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Assessment	<p>A-Level Physics consists of linear assessments, with all exams taking place at the end of Year 13. 15% of the total A-Level marks will be for practical knowledge and understanding in physics investigations. A separate 'endorsement' of practical work will be assessed by teachers when students carry out required practicals in lessons. This will not be graded. If students pass, it will be reported on their certificate, otherwise it will not be reported.</p> <p>Examinations To achieve an A-Level qualification you must sit 3 written papers at the end of Year 13 carried out during the summer term. Each paper is 2 hours.</p> <p>Paper 1, marked out of 85, 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, marked out of 85, 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, marked out of 80, is 32% of the overall grade, consisting of 45 marks on data analysis questions and 25 marks on the option topic.</p>																
Careers Guidance	<p>Students who gained a qualification in A-Level physics tend to gain entry into Higher Education institutions to study a very wide range of courses in faculties of Science, Engineering, Business, Medicine, Law, Electronics, and a variety of combined courses leading to rewarding and satisfying employment.</p> <p>Physics is considered by Russell Group universities to be a 'facilitating subject' for many university courses. Most of the successful applicants over the last couple of years to Russell Group universities have offered facilitating subjects for most or all of their A-Levels. A small number of students prefer to enter the job market direct from Sixth Form.</p>																