


# Physics Curriculum (KS5) - A Level Year 1


Exam Board: AQA Qualification: A Level Physics

				
Term	Autumn 1 & 2	Spring 1 & 2	Summer 1	Summer 2
Focus	Unit 1 & 2	Unit 3 & 4	Revision	
Key Tasks	<p><b>Unit 1: Particles and radiation</b>            1.1 Matter and radiation            1.2 Quarks and leptons            1.3 Quark phenomena            Including practical skills</p> <p><b>Unit 2: Waves and optics</b>            2.4 Waves            2.5 Optics. Including practical skills            Revision and preparation for mock exam</p>	<p><b>Unit 3: Mechanics and materials</b>            3.6 Forces in equilibrium            3.7 On the move            3.8 Newton's law of motion            3.9 Forces and momentum            3.10 Work, energy and power            Including practical skills</p> <p><b>Unit 4: Electricity</b>            4.12 Electricity            4.13 DC circuits            Including practical skills</p>	<p>Revision units 1-5            May/June exams</p> <p><b>Paper 1</b>            50% of AS            written exam 1 hr 30 mins            70 marks            70 marks of short and long answer questions split by topic</p> <p><b>Paper 2</b>            50% of AS            written exam 1 hr 30 mins            70 marks            Section A-20 marks of short and long answer questions on practical skills and data analysis            Section B-20 marks of short and long answer questions from across</p>	

			all areas of AS Section C-30 multiple choice questions	
<b>Assessment</b>	Assessments in <b>unit 1 &amp; 2</b> Including mock exam in January	Assessments in <b>unit 3 &amp; 4</b> including mock exam		

## Physics Curriculum (KS5) - A Level Year 2

Exam Board: AQA Qualification: A Level Physics

 <b>Holly Lodge</b> 11-19 Science College				
Term	Autumn 1 & 2	Spring 1 & 2	Summer 1	Summer 2
<b>Focus</b>	<b>Unit 6 &amp; 7</b>	<b>Unit 8 &amp; 9</b>	<b>Revision</b>	
<b>Key Tasks</b>	<b>Unit 6: Further mechanics and thermal physics</b> 6.17 Motion in a circle 6.18 Simple harmonic motion 6.19 Thermal physics 6.20 Gases Including practical skills  <b>Unit 7: Fields</b> 7.21 Gravitational fields 7.22 Electric fields. Including practical skills Revision and preparation for mock exam	<b>Unit 8: Nuclear physics</b> 8.26 Radioactivity 8.27 Nuclear energy  <b>Unit 9: Option module</b> 9.28 Engineering physics Including practical skills	<b>Revision units 6-9</b> <b>May/June exams</b> <b>Paper 1</b> 34% of A written exam 2 hr 85 marks 60 marks of short and long answer questions and 25 multiple choice questions split by topic	

			<p><b>Paper 2</b>  34% of A  written exam 2 hr  85 marks  60 marks of short and long answers questions and 25 multiple choice questions</p> <p><b>Paper 3</b>  32% of A  Written exam 2 hr  80 marks  Section A- practical skills and data analysis  Section B- Option section</p>	
<b>Assessment</b>	Assessments in <b>unit 6 &amp; 7</b> Including mock exam in January	Assessments in <b>unit 8 &amp; 9</b> including mock exam		