

PHYSICS

Curriculum Overview



Examination Board: AQA

Further information

<https://filestore.aqa.org.uk/resources/physics/specifications/AQA-7407-7408-SP-2015.PDF>

Additional support: Intervention sessions

Physics A-Level Year 1	
Paper 1	Paper 2
1. Measurement and their errors 2. Particles and radiation 3. Waves 4. Mechanics and materials 5. Electricity	1. Measurement and their errors 2. Particles and radiation 3. Waves 4. Mechanics and materials 5. Electricity
Written Assessment	Practical Assessment
<p>There will be 2 written papers. Each paper is 1 hour and 30 minutes long.</p> <p>Paper 1: 70 marks 50% of AS Physics 70 marks of short and long answer questions split by topic.</p> <p>Paper 2: 70 marks 50% AS Physics 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 all areas of AS content. Section C: 30 multiple choice questions</p>	<p>Practical assessments have been divided into those that can be assessed in written exams and those that can only be directly assessed whilst students are carrying out experiments.</p> <p>A-level grades will be based only on marks from written exams.</p> <p>A separate endorsement of practical skills will be taken alongside the A-level.</p> <p>This will be assessed by teachers and will be based on direct observation of students' competency in a range of skills that are not assessable in written exams</p>
Year 12	
<p>Autumn Term: 3.2. Particles; 3.2. Electromagnetic radiation and Quantum Phenomena; 3.3 Waves – Optics 3.4 Mechanics and Materials</p>	
<p>Spring Term: 3.5.1 Current electricity; 3.4 Mechanics and Materials</p>	
<p>Summer Term: Revision</p>	

Physics A-Level Year 2

Paper 1	Paper 2	Paper 3
1. Measurement and their errors 2. Particles and radiation 3. Waves 4. Mechanics and materials 5. Electricity 6. Further mechanics (Periodic motion)	6. Thermal physics 7. Fields and their consequences 8. Nuclear physics	Section A: Practical skills and data analysis Section B: Astrophysics

Written Assessment	Practical Assessment
<p>The course will be assessed by 3 written papers at the end of Year 13.</p> <p>Each paper is 2 hours long.</p> <p>Paper 1: 85 marks 34% of A-level 60 marks of short and long answer questions and 25 multiple choice questions on content.</p> <p>Paper 2: 85 marks 34% of A level 60 marks of short and long answer questions and 25 multiple choice questions on content.</p> <p>Paper 3: 45 marks of short and long answer questions on practical experiments and data analysis 35 marks of short and long answer questions on astrophysics</p>	<p>Practical assessments have been divided into those that can be assessed in written exams and those that can only be directly assessed whilst students are carrying out experiments.</p> <p>A-level grades will be based only on marks from written exams.</p> <p>A separate endorsement of practical skills will be taken alongside the A-level.</p> <p>This will be assessed by teachers and will be based on direct observation of students' competency in a range of skills that are not assessable in written exams</p>

Year 13

Autumn Term: 3.6. Further mechanics and thermal physics 3.8 Nuclear physics

Spring Term: 3.7 Fields and their consequences; 3.9 Astrophysics

Summer Term: Revision