

Year 11
SEPARATE SCIENCE PHYSICS

Subject Title	GCSE Physics
Exam board	AQA
Specification code	8463
Entry Level	Foundation and Higher Tier
Exam details	<p>Two papers Duration – 1hour 45 minutes; 100 marks per paper Each paper 50% of GCSE Questions: Multiple choice, structure, closed short answer and open response</p> <p>Physics Paper 1 Topics 1-4: Energy; Electricity; Particle model of matter; and Atomic structure.</p> <p>Physics Paper 2 Topics 5-8: Forces; Waves; Magnetism and electromagnetism; and Space physics. Questions in paper 2 may draw on an understanding of energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from Energy and Electricity topics.</p>
Setting arrangements	N/A
Time allowed	12 lessons per fortnight 12 x 50 minutes
Textbooks and revision guides	<p>AQA GCSE Physics – 978-0-19-835939-5 On line version of text book is provided</p> <p>Revision Guide CGP – GCSE Physics ISBN: 978- 1-78-294577-2</p>
Homework information	2 Homeworks per week x 50 minutes Exam style questions; Research; Assessment; Revision; and Retrieval practice

Term	Topics	Skills	Assessment
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1	<p>Forces</p> <p>Forces and Motion</p> <p>Changes in momentum</p>	<p>Practical and investigation skills.</p> <p>Information retrieval.</p> <p>Listening and observing.</p> <p>Scientific reading.</p> <p>Data representation.</p> <p>Scientific writing.</p> <p>Knowledge presentation.</p> <p>Mathematical skills.</p>	<p>Formative skills assessments focusing on required practicals.</p> <p>Retrieval practice – exam style questions</p>
2	<p>Pressure in gases and fluids</p> <p>Moments, levers and gears</p>	<p>Practical and investigation skills.</p> <p>Information retrieval.</p> <p>Listening and observing.</p> <p>Scientific reading.</p> <p>Data representation.</p> <p>Scientific writing.</p> <p>Knowledge presentation.</p> <p>Mathematical skills.</p>	<p>Formative skills assessments focusing on required practicals.</p> <p>Retrieval practice – exam style questions</p> <p>Year 11 Mock Exams</p>
3	<p>Radioactivity and hazards</p> <p>Fission and fusion</p> <p>Loudspeakers</p> <p>Induced potential</p>	<p>Practical and investigation skills.</p> <p>Information retrieval.</p> <p>Listening and observing.</p> <p>Scientific reading.</p> <p>Data representation.</p> <p>Scientific writing.</p> <p>Knowledge presentation.</p> <p>Mathematical skills.</p>	<p>Formative skills assessments focusing on required practicals.</p> <p>Retrieval practice – exam style questions</p>
4		<p>Practical and investigation skills.</p> <p>Information retrieval.</p> <p>Listening and observing.</p> <p>Scientific reading.</p>	<p>Formative skills assessments focusing on required practicals.</p> <p>Retrieval practice – exam style questions</p>

		<p>Data representation. Scientific writing.</p> <p>Knowledge presentation.</p> <p>Mathematical skills.</p>	
5	Revision and exam preparation	<p>Practical and investigation skills.</p> <p>Information retrieval.</p> <p>Listening and observing. Scientific reading.</p> <p>Data representation. Scientific writing.</p> <p>Knowledge presentation.</p> <p>Mathematical skills.</p>	<p>Formative skills assessments focusing on required practicals.</p> <p>Retrieval practice – exam style questions</p>
6	Revision and exam preparation	<p>Practical and investigation skills.</p> <p>Information retrieval.</p> <p>Listening and observing. Scientific reading.</p> <p>Data representation. Scientific writing.</p> <p>Knowledge presentation.</p> <p>Mathematical skills.</p>	<p>Formative skills assessments focusing on required practicals.</p> <p>Retrieval practice – exam style questions</p>
Links to websites and revision materials:		<p>Online text book - https://www.kerboodle.com/users/login</p> <p>Revision resources https://www.bbc.co.uk/bitesize/subjects/zrkw2hv</p> <p>Quizzes https://www.educationquizzes.com/gcse/science/</p> <p>https://senecalearning.com/en-GB/</p>	