

Science Yr 10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic/Unit to be studied	Biology Unit 1	Chemistry Unit 1	Physics unit 1	Biology Unit 2	Chemistry Unit 2	Physics unit 2
Subject Content Outline	<p><b>B1.1 - B1.10:</b> <u>Cell structure and transport</u></p> <p><b>B2.1 - 2.4:</b> <u>Cell division</u></p> <p><b>B3.1-3.7:</b> <u>Organisation and the digestive system</u></p> <p><b>B4.1 - 4.8:</b> <u>Organising animals and plants</u></p>	<p><b>C1.1-C1.8:</b> <u>Atoms, bonding and moles</u></p> <p><b>C2.1-2.6:</b> <u>The periodic table</u></p> <p><b>C3.1-3.12:</b> <u>Structure and bonding</u></p>	<p><b>P1.1-P1.9:</b> <u>Conservation and dissipation of energy</u></p> <p><b>P2.1-2.3:</b> <u>Energy transfer by heating</u></p> <p><b>P3.1 -3.5:</b> <u>Energy resources</u></p>	<p><b>B5.1 5.7:</b> <u>Communicable diseases</u></p> <p><b>B6.1 -6.4:</b> <u>Preventing and treating disease</u></p> <p><b>B7.1-7.5:</b> <u>Non-communicable diseases</u></p> <p><b>B8.1-8.4:</b> <u>Photosynthesis</u></p> <p><b>B9.1 –B9.4</b> <u>Respiration</u></p>	<p><b>C5.1 – C5.8:</b> <u>Chemical changes</u></p> <p><b>C6.1-6.4:</b> <u>Electrolysis</u></p> <p><b>C7.1-7.4:</b> <u>Energy changes</u></p>	<p><b>P4.1 –P4.5:</b> <u>Electric currents</u></p> <p><b>P5.1- 5.5:</b> <u>Electricity in the home</u></p> <p><b>P6.1-P6.6:</b> <u>Molecules and matter</u></p> <p><b>P7.1-P7.5:</b> <u>Radioactivity</u></p>
Aims/Assessment Objectives	<p>AO1 Recall, select and communicate their knowledge and understanding of biology, chemistry and physics.</p> <p>AO2 Apply skills, knowledge and understanding of biology, chemistry and physics in practical and other contexts.</p> <p>AO3 Analyse and evaluate evidence, make reasoned judgements and draw conclusions based on evidence</p>					
Assessment	1.15 hour External Exam Foundation or Higher Biology		1.15 hour External Exam Foundation or Higher Chemistry		1.15 hour External Exam Foundation or Higher Physics	
Cross curricular opportunities	<p>Mathematics, ICT, English, History, Geography, Food Technology, Design Technology, Music, Drama, PE, Citizenship</p> <p>The faculty is highly committed to the provision of well-structured extracurricular opportunities that develop key skills and extend pupil learning in fun, stimulating ways. We run our own STEM club which provides opportunities to inspire pupils in Science, Technology, Engineering and Mathematics. Pupils take part in exciting projects which gives them insight into the exciting career opportunities available in these areas.</p>					
Social, Moral, Spiritual, Cultural	<p>Wider issues (for example, spiritual, moral, ethical, social, legal, sustainable development, economic and cultural issues), including those relevant to the education of candidates at Key Stage 4, have been taken into account when preparing this specification. They will only form part of the assessment requirements where they are relevant to the specific content of</p>					

	the specification.					
Homework	Each lesson has a specific homework which either reinforces the core content or checks learning through an individual timed exam question. Each individual homework is identified in the Faculty Curriculum Map for each lesson and should be recorded in pupil planners.					
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