

KS4 Curriculum overview – Combined science 2024-25



	Block 1	Block 2	Block 3	Block 4
Year 10	<p>Waves and EM spectrum Health and Disease Chemical changes Chemical calculations</p> <p><i>What are the different forms of light?</i> <i>How can diseases spread?</i> <i>How do acids react?</i> <i>How is mass conserved?</i></p>	<p>Extracting metals and equilibria Radioactivity Plant structures and their functions</p> <p><i>How do we purify metals from ores?</i> <i>Why are some chemicals radioactive?</i> <i>How do plants photosynthesise</i></p>	<p>Groups in the periodic table Ecosystems Forces and energy</p> <p><i>Why do some elements share similar properties?</i> <i>How are organisms interdependent?</i> <i>How does a force transfer energy?</i></p>	<p>PPE preparation</p>
Year 11	<p>Electricity Homeostasis Rates of reactions</p> <p><i>How is energy transferred in circuits?</i> <i>How does the body regulate its environment?</i> <i>How can we control the speed of a reaction?</i></p>	<p>Magnetism and electromagnets Fuels and earth science Transport in animals</p> <p><i>How are motors made?</i> <i>How are fossil fuels made and used?</i> <i>How are nutrients moved around the body?</i></p>	<p>Particle model of matter Exam Preparation</p> <p><i>How are particles arranged in solids, liquids and gases?</i></p>	<p>GCSE exams</p>