

KS4 Curriculum overview – Separate science 2024-25



	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	Waves and EM spectrum Health and Disease Chemical calculations <i>What are the different forms of light?</i> <i>How can diseases spread?</i> <i>How is mass conserved?</i>	Chemical changes Radioactivity <i>How do acids react?</i> <i>Why are some chemicals radioactive?</i>	Extracting metals and equilibria Astronomy Plant structures and their functions <i>How do we purify metals from ores?</i> <i>How are stars born?</i> <i>How do plants photosynthesise?</i>	Extracting metals and equilibria Forces and energy <i>How do we purify metals from ores?</i> <i>How does a force transfer energy?</i>	Groups in the periodic table Particle model of matter Transport in animals <i>Why do some elements share similar properties?</i> <i>How are particles arranged in solids, liquids and gases?</i> <i>How are nutrients moved around the body?</i>	PPE Revision
Year 11	Electricity and Static charge Rates of reactions Ecosystems <i>How is energy transferred in circuits?</i> <i>How can we control the speed of a reaction?</i> <i>How are organisms interdependent?</i>	Fuels and earth science <i>How are fossil fuels made and used?</i>	Homeostasis Magnetism and electromagnets <i>How does the body regulate its environment?</i> <i>How are motors made?</i>	Exam Preparation	Exam Preparation	GCSE exams