

2021/ 2022	AUTUMN					SPRING				SUMMER		
	HT1		HT2			HT3		HT4		HT5	HT6	
Y7	<p>Area of study Intro/Investigation</p> <p>Key concepts Lab safety Investigation Skills</p> <p>Assessment method Practical write up</p>	<p>Area of study Classifying Materials</p> <p>Key concepts How Particles are arranged and move in Solids, Liquids and Gases</p> <p>Assessment method Topic Test</p>	<p>Area of study Microscopes and Cells</p> <p>Key concepts The main features of Cells and living things</p> <p>Assessment method Topic Test</p>	<p>Area of study Atoms, Elements and Compounds</p> <p>Key concepts How we use the periodic table to describe different substances</p> <p>Assessment method Topic Test</p>	<p>Area of study The Earth</p> <p>Key concepts Structure of the Earth and changes within it.</p> <p>Assessment method Topic Test</p>	<p>Area of study Digestion and nutrition</p> <p>Key concepts Diet and biochemical processes</p> <p>Assessment method Topic Test</p>	<p>Area of study Electrical Circuits</p> <p>Key concepts How current and Voltage work</p> <p>Assessment method Topic Test</p>	<p>Area of study Chemical Reactions</p> <p>Key concepts Different types of reactions</p> <p>Assessment method Topic Test</p>	<p>Area of study Energy</p> <p>Key concepts Types of Energy stores and how they are transferred</p> <p>Assessment method Topic Test</p>	<p>Area of study Plant reproduction</p> <p>Key concepts Parts and function of flowering plants</p> <p>Assessment method Topic Test</p>	<p>Area of study Forces and Motion</p> <p>Key concepts The impact of forces around us</p> <p>Assessment method Topic Test</p>	
Y8	<p>Area of study Investigation/ Chemistry</p> <p>Key concepts Development of scientific theory</p> <p>Assessment method Topic Test</p>	<p>Area of study Gas Exchange in Humans</p> <p>Key concepts Breathing and Respiration</p> <p>Assessment method Topic Test</p>	<p>Area of study Sorting Materials</p> <p>Key concepts Physical Techniques for separating mixtures</p> <p>Assessment method Topic Test</p>		<p>Area of study Magnetism and Space</p> <p>Key concepts Electromagnets and motors Gravity and Weight</p> <p>Assessment method Topic Test</p>	<p>Area of study Inheritance, Variance and survival</p> <p>Key concepts How genes control characteristics and are passed on</p> <p>Assessment method Topic Test</p>	<p>Area of study Generating Electricity</p> <p>Key concepts Energy Resources and Power ratings</p> <p>Assessment method Topic Test</p>	<p>Area of study Chemical Changes</p> <p>Key concepts Reactions of Acids, Alkalis and Metals</p> <p>Assessment method Topic Test</p>		<p>Area of study Waves</p> <p>Key concepts Reflection, Refraction, Sound and Light</p> <p>Assessment method Topic Test</p>	<p>Area of study Human reproduction</p> <p>Key concepts Development of human life</p> <p>Assessment method Topic Test</p>	
Y9	<p>Area of study Ecology</p> <p>Key concepts Investigations and analysis</p> <p>Assessment method Topic Test</p>		<p>Area of study Materials and resources</p> <p>Key concepts Chemistry and industry</p> <p>Assessment method Topic Test</p>		<p>Area of study Motion and us</p> <p>Key concepts Road safety and forces</p> <p>Assessment method Topic Test</p>		<p>Area of study Health and Disease</p> <p>Key concepts Health and Medicine</p> <p>Assessment method Topic Test</p>		<p>Area of study Global impacts</p> <p>Key concepts Wider impacts of human activity</p> <p>Assessment method Topic Test</p>		<p>Area of study Energy</p> <p>Key concepts Generating and using energy</p> <p>Assessment method Topic Test</p>	<p>Area of study GCSE transition</p> <p>Key concepts Study methods</p> <p>Assessment method Topic Test</p>
Y10	<p>Area of study Cells & Cellular Processes (B1)</p> <p>Key concepts Microscopy and cellular processes</p> <p>Assessment method End of topic test</p>	<p>Area of study Particles & Properties (C1, C2)</p> <p>Key concepts Atoms and interaction of atoms. Compounds and their properties</p> <p>Assessment method End of topic test</p>	<p>Area of study Energy & States of Matter (P1)</p> <p>Key concepts Investigations and numeracy</p> <p>Assessment method End of topic test</p>	<p>Area of study Systems & Structures (B2)</p> <p>Key concepts The functions of organ systems</p> <p>Assessment method End of topic test</p>	<p>Area of study Forces & Motion (P2)</p> <p>Key concepts Calculating energy changes</p> <p>Assessment method End of topic test</p>	<p>Area of study Control & Communication (B3)</p> <p>Key concepts How the body maintains a balance</p> <p>Assessment method End of topic test</p>	<p>Area of study Quantities and Reactions (C3)</p> <p>Key concepts Understanding common Chemical reactions</p> <p>Assessment method End of topic test</p>		<p>Area of study Circuits and Magnetism (P3)</p> <p>Key concepts Calculating energy changes in circuits. How electromagnets are used.</p> <p>Assessment method End of topic test</p>	<p>Area of study Ecosystems (B4)</p> <p>Key concepts Cycles in Nature and how organisms interact.</p> <p>Assessment method End of topic test</p>		
Y11	<p>Area of study Patterns in the periodic Table (C4)</p> <p>Key concepts Identifying and predicting reactions of Alkali metals, halogens and metals.</p> <p>Assessment method End of topic test</p>	<p>Area of study Waves and radioactivity (P4)</p> <p>Key concepts Electromagnetic waves. Radioactive decay.</p> <p>Assessment method End of topic test</p>		<p>Area of study Genetics (B5)</p> <p>Key concepts Genes, inheritance, Natural selection and Evolution</p> <p>Assessment method Mock Exams</p>		<p>Area of study Rates of reactions (C5)</p> <p>Key concepts Collision theory. How to maintain equilibrium in reactions.</p> <p>Assessment method End of topic test</p>	<p>Area of study Energy (P5)</p> <p>Key concepts Energy changes in electrical and mechanical transfers</p> <p>Assessment method End of topic test</p>	<p>Area of study Global Challenges (P6,C6)</p> <p>Key concepts Using core science ideas to tackle current global issues.</p> <p>Assessment method Mock exams</p>		<p>Area of study Global Challenges (B6) and Revision</p> <p>Key concepts How to practice answering exam questions and revision.</p> <p>Assessment method Exams</p>		