

2024 - 2025	AUTUMN				SPRING				SUMMER			
HT1		HT2		HT3		HT4		HT5		HT6		
7	<p><b>Area of study:</b> Investigations</p> <p><b>Key concepts:</b> Practical skills, variables, units, observing and measuring</p> <p><b>Assessment:</b> Practical skills oracy, peer assessment</p>	<p><b>Area of study:</b> 7A Cells</p> <p><b>Key concepts:</b> Structures in living things</p> <p><b>Assessment:</b> End of topic test, oracy, peer assessment</p>	<p><b>Area of study:</b> 7F Acids and bases</p> <p><b>Key concepts:</b> Acidity and alkalinity</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 7I Energy</p> <p><b>Key concepts:</b> Stores and transfers</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 7B Animal Reproduction</p> <p><b>Key concepts:</b> Making new organisms</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 7J Electricity</p> <p><b>Key concepts:</b> Circuits, current, voltage</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 7C Muscles and bones</p> <p><b>Key concepts:</b> Enabling of movement</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 7G and H Particles, elements, &amp; compounds</p> <p><b>Key concepts:</b> Arrangement of particles</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 7K Forces</p> <p><b>Key concepts:</b> Types of forces, measurements</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 7D Ecosystems</p> <p><b>Key concepts:</b> Interdependence, energy transfers</p> <p><b>Assessment:</b> End of topic test</p>		
	8	<p><b>Area of study:</b> 8L Earth and space</p> <p><b>Key concepts:</b> Solar system and beyond</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 8A Food and Nutrition</p> <p><b>Key concepts:</b> Nutrients and digestion</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 8E Combustion</p> <p><b>Key concepts:</b> Fuels and products</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 8I Fluids</p> <p><b>Key concepts:</b> Density and pressure</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 8B Plant reproduction</p> <p><b>Key concepts:</b> Pollination and germination</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> Photosynthesis</p> <p><b>Key concepts:</b> Synthesis of glucose</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 8F Periodic table</p> <p><b>Key concepts:</b> Groups and trends</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 8K Energy transfers</p> <p><b>Key concepts:</b> Temperature and efficiency</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 8C Breathing and respiration</p> <p><b>Key concepts:</b> Gas exchange</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 8J Light</p> <p><b>Key concepts:</b> Light and the behaviour of waves</p> <p><b>Assessment:</b> End of topic test</p>	
9	<p><b>Area of study:</b> 9A How are infectious diseases spread? What are vaccines and immunity</p> <p><b>Key concepts:</b> Pathogens and disease; Vaccination and immunity</p> <p><b>Assessment:</b> End of topic test, oracy tasks</p>		<p><b>Area of study:</b> 9E Where do the metals we use come from?</p> <p><b>Key concepts:</b> Atoms and ions; extracting metals, Industrial processes</p> <p><b>Assessment:</b> End of topic test, oracy task</p>	<p><b>Area of study:</b> 9E How do we choose materials to make our products?</p> <p><b>Key concepts:</b> Properties of materials, LCAs, recycling</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 9H How fast do things go?</p> <p><b>Key concepts:</b> Speed and its measurement</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 9B How can we reduce the risk of having some diseases? What are the treatments for disease?</p> <p><b>Key concepts:</b> Risk factors and treatments</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 9F Where do our fuels come from?</p> <p><b>Key concepts:</b> Choosing materials; Fuels</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 9I Where do we get power from?</p> <p><b>Key concepts:</b> Energy resources</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> Key concepts: Power to homes, efficiency of power transfer</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 9C How do we feed the human race?</p> <p><b>Key concepts:</b> Genetic engineering, biotechnology</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 9G What's in the air around us? Where do we get drinking water from?</p> <p><b>Key concepts:</b> Global warming, climate change</p> <p><b>Assessment:</b> End of topic test</p>	<p><b>Area of study:</b> 9D Why is biodiversity important?</p> <p><b>Key concepts:</b> Maintaining biodiversity</p> <p><b>Assessment:</b> End of topic test</p>
	10	<p><b>Area of study:</b> B1 Cell-level systems</p> <p><b>Key concepts:</b> DNA, enzymes, respiration, photosynthesis</p> <p><b>Assessment:</b> End of module test</p>		<p><b>Area of study:</b> C1 Particles</p> <p><b>Key concepts:</b> The particle model and atomic structure</p> <p><b>Assessment:</b> End of module test</p>	<p><b>Area of study:</b> P1 Matter</p> <p><b>Key concepts:</b> The particle model and changes of state</p> <p><b>Assessment:</b> End of module test</p>		<p><b>Area of study:</b> B2 Scaling up</p> <p><b>Key concepts:</b> Supplying the cell; challenges of size</p> <p><b>Assessment:</b> End of module test</p>	<p><b>Area of study:</b> C2 Elements compounds and mixtures</p> <p><b>Key concepts:</b> Purity, separating mixtures, bonding, properties of materials</p> <p><b>Assessment:</b> End of module test</p>		<p><b>Area of study:</b> P2 forces</p> <p><b>Key concepts:</b> Motion, Newton's laws and forces in action; calculations</p> <p><b>Assessment:</b> End of module test; mock exam</p>		
11	<p>P2 forces Review</p> <p><b>Key concepts:</b> Motion, Newton's laws forces in action</p> <p><b>Assessment:</b> End of module test; mock exam</p>	<p><b>Area of study:</b> B3 Organism level systems</p> <p><b>Key concepts:</b> Nervous system, endocrine system, homeostasis</p> <p><b>Assessment:</b> End of module test; snapshot assessment</p>	<p><b>Area of study:</b> C3 Chemical reactions</p> <p><b>Key concepts:</b> Quantitative, energetics, redox, electrolysis</p> <p><b>Assessment:</b> End of module test</p>	<p><b>Area of study:</b> P3 Electricity magnetism</p> <p><b>Key concepts:</b> static, charge, circuits, magnets, fields</p> <p><b>Assessment:</b> End of module test</p>	<p><b>Area of study:</b> B4 Community-level systems</p> <p><b>Key concepts:</b> Ecosystems and nutrient cycles</p> <p><b>Assessment:</b> End of module test</p>	<p><b>Area of study:</b> C4 Predicting and Identifying</p> <p><b>Key concepts:</b> Trends in groups; reactivity</p> <p><b>Assessment:</b> End of module test; mock exam</p>	<p><b>Area of study:</b> P4 Waves and radioactivity</p> <p><b>Key concepts:</b> Wave behaviour, the EM spectrum; radioactive emissions</p> <p><b>Assessment:</b> End of module test</p>	<p><b>Area of study:</b> B5 Genes, Inheritance and selection</p> <p><b>Key concepts:</b> Variation, meiosis, natural selection and evolution</p> <p><b>Assessment:</b> End of module test</p>	<p><b>Area of study:</b> C5 Monitoring and controlling reactions</p> <p><b>Key concepts:</b> Controlling rates of reaction, equilibria</p> <p><b>Assessment:</b> End of module test</p>	<p><b>Area of study:</b> P5 Energy</p> <p><b>Key concepts:</b> Work done, power and efficiency</p> <p><b>Assessment:</b> End of module test</p>	<p><b>Revision</b></p> <p><b>Key concepts:</b> Recap of content</p> <p><b>Assessment:</b> Further exam practice</p>	<p><b>Students no longer on roll</b></p>

