

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

