

<u>KS3 Science</u>	<u>Autumn HT1</u>	<u>Autumn HT2</u>	<u>Spring HT1</u>	<u>Spring HT2</u>	<u>Summer HT1</u>	<u>Summer HT2</u>
<u>Year 9</u>	<u>Reactions 1 : Metals & Non-metals & Acids & Alkalis</u> Using metals and non-metals Exploring the reactions of metals with acids Understanding displacement reactions MMA 1 Understanding oxidation reactions Exploring acids Exploring alkalis Using indicators Exploring neutralisation Investigating neutralisation MMA 2 [This topic will also include approximately 4 'Literacy in Science' Lessons]	<u>Earth 2: Climate and Earth resources:</u> Understanding our atmosphere Understanding how carbon is recycled Exploring how humans affect the carbon cycle Understanding global warming MMA 1 Exploring damage to the Earth's resources Considering the importance of recycling MMA 2 How to extract metals [This topic will also include approximately 4 'Literacy in Science' Lessons]	<u>Energy 2: Work & Heating & Cooling.</u> Doing work Making work easier Explaining thermal energy Heating How to stop energy from travelling MMA 1 Energy and temperature [This topic will also include approximately 3 'Literacy in Science' Lessons]	<u>Waves 2: Wave effects and wave properties</u> Exploring sound Ultrasound research Sound systems Exploring light Ultraviolet light research Properties of light MMA 1 Comparing transverse and longitudinal waves Exploring waves [This topic will also include approximately 3 'Literacy in Science' Lessons]	<u>Ecosystems 2 : Respiration and Photosynthesis.</u> Aerobic respiration Anaerobic respiration Fermentation Photosynthesis Testing a leaf for starch Adaptations of a leaf MMA 1 Extraction of chlorophyll Light & Photosynthesis Transpiration Minerals in plants [This topic will also include approximately 3 'Literacy in Science' Lessons]	<u>Organisms 2 : Breathing and Digestion.</u> Understanding how we breathe Measuring breathing Explaining gas exchange in humans MMA 1 Exploring the effects of disease and lifestyle Exploring a healthy diet Understanding the effects of an unbalanced diet Understanding the human digestive system MMA 2 Understanding the roles of the digestive organs [This topic will also include approximately 3 'Literacy in Science' Lessons]

	<p><u>Electromagnets 2:</u> <u>Electromagnets and Magnetism:</u> Forces and fields Using ideas about fields Simple series circuits MMA 1 Investigating electromagnetism Investigating strength of electromagnets Using electromagnets research MMA 2 The Motor Effect [This topic will also include approximately 3 'Literacy in Science' Lessons]</p>					
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