

## Curriculum Overview: SCIENCE – Year 8

YEAR Group					
	<i>Autumn 1 (Sept – Oct)</i>	<i>Autumn 2 (Nov – Dec)</i>	<i>Spring 1 (Jan – Feb)</i>	<i>Spring 2 (Mar – Apr)</i>	<i>Summer (May – Jun)</i>
<b>Topic Title</b>	Getting the Energy your Body Needs.	Looking at Plants and Ecosystems.  Explaining Physical Changes.	Explaining Physical Changes.  Explaining Chemical Changes.	Exploring Contact and Non-Contact Forces.	Magnetism and Electricity.
<b>Key Skills and Content</b>	<ul style="list-style-type: none"> <li>• The skeleton.</li> <li>• Muscles.</li> <li>• Aerobic respiration.</li> <li>• Anaerobic respiration.</li> </ul>	<ul style="list-style-type: none"> <li>• Healthy plants: Survival and Growth.</li> <li>• Producers in Food Chains.</li> <li>• Relationships in the environment.</li> <li>• Using the particle model to explain the states of matter.</li> </ul>	<ul style="list-style-type: none"> <li>• Using the particle model to explain properties.</li> <li>• Particles in physical and chemical changes.</li> <li>• Acids, alkalis and indicators.</li> <li>• Reactions of acids and alkalis.</li> <li>• Combustion.</li> </ul>	<ul style="list-style-type: none"> <li>• Gravity and space travel.</li> <li>• Electrostatic and magnetic forces.</li> <li>• Pressure, floating and sinking.</li> </ul>	<ul style="list-style-type: none"> <li>• How magnets work.</li> <li>• Electromagnets.</li> <li>• Explaining electric circuits.</li> <li>• Series and parallel circuits.</li> </ul>

<b>Summative Assessment</b>		End of unit test comprising multiple choice and long answer questions	End of unit test comprising multiple choice and long answer questions	End of unit test comprising multiple choice and long answer questions	End of unit test comprising multiple choice and long answer questions	<ul style="list-style-type: none"> <li>● End of unit test comprising multiple choice and long answer questions</li> <li>● End of year cumulative test</li> </ul>