

## Curriculum Overview: SCIENCE – Year 9

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>	Variation for survival	Our health and the effects of drugs	Obtaining useful materials  Using our earth sustainably	Motion on earth and in space	Waves and energy transfer
<b>Key Skills and Content</b>	<ul style="list-style-type: none"> <li>• Variation and classification</li> <li>• Adaptations</li> <li>• Survival of the fittest</li> <li>• Cells</li> <li>• Reproduction</li> <li>• Inside the nucleus</li> <li>• Inheritance</li> </ul>	<ul style="list-style-type: none"> <li>• Body systems</li> <li>• Cigarettes and alcohol</li> <li>• Anabolic steroids</li> <li>• Effects of drugs</li> <li>• Role of blood</li> <li>• Preventing and treating infection</li> <li>• Microbes</li> <li>• Disease</li> </ul>	<ul style="list-style-type: none"> <li>• Metals/Metal ores</li> <li>• Reactions of metals</li> <li>• Reactivity</li> <li>• Changes in chemical reactions</li> <li>• Reaction energy and catalysts</li> <li>• Properties of materials</li> <li>• Special materials</li> <li>• Combustion</li> <li>• The atmosphere</li> <li>• Useful materials</li> </ul>	<ul style="list-style-type: none"> <li>• Forces</li> <li>• Forces in equilibrium</li> <li>• Speed and motion</li> <li>• Gravitational fields and the motion of the Earth</li> <li>• The solar system and space</li> <li>• Stars and galaxies</li> </ul>	<ul style="list-style-type: none"> <li>• Energy stores and transfers</li> <li>• Fuels are energy stores</li> <li>• Energy in the home</li> <li>• Sound waves</li> <li>• Water waves</li> <li>• Light waves</li> </ul>

			<ul style="list-style-type: none"> <li>• Damage to the Earth's resources</li> <li>• Recycling</li> <li>• Rocks/their cycle</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>