

# Science Thematic Curriculum Map Year A

	Autumn 1 Healthy Lives	Autumn 2 Angels & Demons	Spring 1 Individuals & their Societies	Spring 2 Power of Nature	Summer 1 Myths & Legends	Summer 2 Mysteries & Adventures
<b>KS2 (Oak/Ash)</b>	<ul style="list-style-type: none"> <li>• Health &amp; Lifestyle (B)</li> <li>• Chemical Reactions (c)</li> <li>• Motion &amp; Pressure (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Reproduction (B)</li> <li>• Investigative skills (ALL)</li> <li>• Electricity (P)</li> </ul>	<ul style="list-style-type: none"> <li>• The human Body (B)</li> <li>• The particle model (C)</li> <li>• Sound (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Ecosystems &amp; processes (B)</li> <li>• Elements, atoms &amp; compounds (C)</li> <li>• Forces (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Adaptations &amp; Inheritance (B)</li> <li>• The periodic Table (C)</li> <li>• Light (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Botanical project (B)</li> <li>• Separation Techniques (C)</li> <li>• Space (P)</li> </ul>
<b>Lower KS3</b>	<ul style="list-style-type: none"> <li>• Health &amp; Disease (B)</li> <li>• Rates of reaction (C)</li> <li>• Investigating transport &amp; speed (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Material cycling (B)</li> <li>• Crude oil &amp; Hydrocarbons (C)</li> <li>• Electricity &amp; magnetism (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Cells (B)</li> <li>• Chemical changes (C)</li> <li>• Energy (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Genetics (B)</li> <li>• The Earth's atmosphere (C)</li> <li>• Motion &amp; Pressure (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Variation &amp; Evolution (B)</li> <li>• Atoms (C)</li> <li>• Project: What on earth? (ALL)</li> </ul>	<ul style="list-style-type: none"> <li>• Plants &amp; their environment (B)</li> <li>• Chemical changes and analysis (C)</li> <li>• Space Investigation Project (P)</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Upper KS3/KS4</b></li> </ul>	<ul style="list-style-type: none"> <li>• Enzymes &amp; digestion (B)</li> </ul>	<ul style="list-style-type: none"> <li>• Breathing &amp; Respiration (B)</li> </ul>	<ul style="list-style-type: none"> <li>• Cells &amp; Transport (B)</li> </ul>	<ul style="list-style-type: none"> <li>• The human population explosion (B)</li> </ul>	<ul style="list-style-type: none"> <li>• Fossils &amp; Extinction (B)</li> </ul>	<ul style="list-style-type: none"> <li>• Photosynthesis (B)</li> </ul>

	<ul style="list-style-type: none"> <li>• Bonding (C)</li> <li>• Electromagnetic machines (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Electrolysis (C)</li> <li>• Electricity in the home (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Atomic structure (C)</li> <li>• Conservation &amp; dissipation of energy (P)</li> </ul>	<ul style="list-style-type: none"> <li>• The Earth's resources (C)</li> <li>• Forces &amp; Motion (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Chemistry in our everyday lives Investigation (C)</li> <li>• Light (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Chemical calculations ©</li> <li>• Energy resources &amp; the environment (P)</li> </ul>
<b>KS4</b>	<ul style="list-style-type: none"> <li>• Healthy vs unhealthy lifestyles (B)</li> <li>• Bonding (C)</li> <li>• Motion calculations: acceleration &amp; velocity (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Response to exercise (B)</li> <li>• Chemical analysis (C)</li> <li>• Electrical circuits (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Cells division &amp; Transport across membranes (B)</li> <li>• Atomic structure (C)</li> <li>• Energy transfer by heating (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Project: How does the human body work? (B)</li> <li>• The periodic table (C)</li> <li>• Force &amp; Pressure (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Classification (B)</li> <li>• Organic reactions (C)</li> <li>• The electromagnetic spectrum (P)</li> </ul>	<ul style="list-style-type: none"> <li>• Walking with dinosaurs (B)</li> <li>• Materials and their properties (C)</li> <li>• Radioactivity (P)</li> </ul>

