



# Achievement Cycle Overview

## Curriculum: Science

***Excellence.  
No Excuses.***

Year	AC1	AC2	AC3	AC4
<b>7</b>	Topic Overview: <ul style="list-style-type: none"> <li>• Particle Model</li> <li>• Particulate Nature of Matter</li> <li>• Energy in Matter</li> <li>• Atoms, Elements and Compounds</li> <li>• Physical Changes</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Chemical Reactions</li> <li>• Energetics</li> <li>• Photosynthesis</li> <li>• Respiration</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Cells and Organisation</li> <li>• Nutrition and Digestion</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Gas Exchange</li> <li>• Earth and Atmosphere</li> </ul>
<b>8</b>	Topic Overview: <ul style="list-style-type: none"> <li>• Forces</li> <li>• Balanced Forces</li> <li>• Forces and Motion</li> <li>• Describing Motion</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Pressure</li> <li>• Skeletal and Muscular System</li> <li>• The Periodic Table</li> <li>• Materials</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Pure and Impure Substances</li> <li>• Current Electricity</li> <li>• Static Electricity</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Relationships in an Ecosystem</li> <li>• Magnetism</li> <li>• Space Physics</li> </ul>
<b>9</b>	Topic Overview: <ul style="list-style-type: none"> <li>• Energy Changes and Transfers</li> <li>• Energy Changes in Systems</li> <li>• Calculation of fuel uses and costs in the domestic context</li> <li>• (Recap: Chemical Energetics)</li> <li>• Metabolism</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Waves</li> <li>• (Recap: Earth's Atmosphere)</li> <li>• History of the Atmosphere</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Reproduction</li> <li>• Health</li> <li>• Infection and Response</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Ecology</li> <li>• Chemical Analysis</li> </ul>
<b>10</b>	Topic Overview: <ul style="list-style-type: none"> <li>• Atomic Structure</li> <li>• Cell Processes</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Bonding &amp; Structure</li> <li>• Energy &amp; Electricity</li> <li>• Using Resources</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Chemical Changes</li> <li>• Homeostasis &amp; Response</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Rate of Reaction/P.S.</li> <li>• Quantitative Chemistry</li> </ul>
<b>11</b>	Topic Overview: <ul style="list-style-type: none"> <li>• Forces &amp; Motion</li> <li>• Organic Chemistry</li> </ul>	Topic Overview: <ul style="list-style-type: none"> <li>• Organisation</li> <li>• Inheritance, variation and evolution</li> </ul>	Revision	Revision