

## Year 7 Chemistry is the story of...

Topic 1: Particulate state of matter		Topic 2: Simple Chemical reactions		Topic 3: Acids + Alkalis	
<b>Key Content</b> The Particle Model Heating Substances Gas Pressure Diffusion	<b>Key Skills</b> Using models to explain concepts Drawing simple conclusions Drawing a line graph Interpreting pie chart Follow a written method Making predictions Identifying risks Use equipment correctly	<b>Key Content</b> Hazard Symbols Physical and Chemical Changes Metals and Acids Combustion	<b>Key Skills</b> Identify risks Drawing simple conclusions Using equipment and chemicals correctly Interpreting a table Drawing up simple conclusions	<b>Key Content</b> Acids and Alkalis Indicators pH Scale Neutralisation	<b>Key Skills</b> Identifying risks Consider early scientific ideas Using equipment and chemicals correctly Interpreting a table Drawing up simple conclusions Identifying variables Drawing and interpreting tables and graphs Making and evaluating a prediction

## Year 8 Chemistry is the story of...

Topic 3: The atmosphere		Topic 2: Pure + impure substances		Topic 1: Atoms/elements/compounds	
<b>Key Content</b> Structure and composition of the Atmosphere Rock Cycle Carbon Cycle Climate Change	<b>Key Skills</b> Evaluate the strength of evidence Draw simple conclusions from data and graphs Identify anomalies on a graph	<b>Key Content</b> Making a Solution Filtration and Evaporation Chromatography Distillation	<b>Key Skills</b> Improve a method Select appropriate equipment for a practical Draw conclusions from data	<b>Key Content</b> Atoms, Elements & Compounds The Periodic Table Properties of Metals and Nonmetals Reacting Substances Simple Word Equations	<b>Key Skills</b> Select appropriate equipment for a practical Draw conclusions from data Consider early scientific ideas

## Year 9 Chemistry is the story of...

Topic 1: Periodic Table		Topic 2: Chemical Reactions	
<p><b>Key Content</b></p> <ul style="list-style-type: none"> <li>Properties of Elements</li> <li>Mendeleev's Periodic Table</li> <li>Patterns in the Periodic Table</li> <li>Metal and Nonmetal Oxides</li> </ul>	<p><b>Key Skills</b></p> <ul style="list-style-type: none"> <li>Consider early scientific ideas</li> <li>Evaluate data</li> <li>Draw conclusions</li> </ul>	<p><b>Key Content</b></p> <ul style="list-style-type: none"> <li>Balancing Chemical Equations</li> <li>Thermal Decomposition</li> <li>Exothermic and Endothermic Reactions</li> <li>Metal Displacement Reactions</li> <li>Reduction with Carbon</li> <li>Ceramics, Polymers and Composites</li> </ul>	<p><b>Key Skills</b></p> <ul style="list-style-type: none"> <li>Evaluate and improve a method</li> <li>Evaluate data</li> <li>Draw conclusions</li> <li>List and reduce errors</li> <li>Identifying variables</li> </ul>