



<b>Year 8</b>	<b>Rocks, Earth's atmosphere and Combustion</b>	<b>13 Lessons</b>
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**Aims:** This unit of work is designed to introduce students to the formation of rocks, how the atmosphere has changed and Combustion.

**Links to KS4:**  
 Chapter 1 Chemistry – The Periodic Table  
 Chapter 4/5 Chemistry – Chemical changes/Energy changes  
 Chapter 9 Chemistry – The atmosphere

Key Skills	Literacy Links:	Numeracy Links:
<ul style="list-style-type: none"> <li>To develop an understanding of The Periodic Table.</li> <li>To develop an understanding of why metals are used in the World.</li> <li>To develop practical skills in a Science lab.</li> </ul>	<p><b>Key Words:</b>  <b>Oxidation, combustion, metamorphic, sedimentary, igneous.</b>            Be able to read and use these keywords within Scientific situations both verbally and written.</p>	<p>Look at data e.g. graphs/results tables.</p>

Assessment	Cross-Curricular Links
<ul style="list-style-type: none"> <li><i>Pink sheet teacher assessed activity – Types of rock.</i></li> <li><i>50-mark test which will focus on the following key areas: Oxidation, Fire Triangle, Comparing fuels, Carbon cycle, Earth's atmosphere</i></li> </ul>	<ul style="list-style-type: none"> <li>Geography – structure of the Earth.</li> </ul>
	<b>SMSC opportunities and British values</b>

**Opportunities for further learning**

Homework for year 8 is set on a weekly basis. Below are a range of different activities which could be used throughout the unit.

**Option 1:** Students could create a list of a range of different types of rocks.  
**Option 2:** Students could create a fire poster which includes the fire triangle.  
**Option 3:** Students could create a newspaper article about how the Earth's atmosphere has changed.  
**Option 4:** Students could link their comparing fuel practical to camping.  
**Option 5:** Students could draw a diagram to represent the carbon cycle.