

**Year 7 Learning Map**

<b>C2-Metals and Non-metals &amp; Acids and Alkalis</b>					
<b>Prior Learning</b>		<b>Current Learning</b>		<b>Subsequent Learning</b>	
<p>This topic builds on properties and changes of materials from the Year 5 curriculum, which looks at properties and uses of materials such as metals and wood. It also links to the previous Chemistry topic C1, which looks at the particle model of matter.</p>		<p>In this topic you will learn the physical and chemical properties of metals compared to non-metals. You will also cover the reactions of acids and alkalis and be able to identify these chemicals from their names and formula.</p>		<p>This topic will prepare you for learning about the periodic table of elements and being able to balance equations in Year 8. You will also learn skills such as writing a practical method which will prepare you for GCSE extended writing questions.</p>	
<b>Lesson Sequencing</b>		<b>Tier 3 Vocabulary</b>		<b>Wider Reading Opportunities</b>	
				<b>Ways in which parents/carers can support</b>	
Lesson 1	Metals and non-metals	Periodic table	<p>Metals</p> <p>Non-metals</p> <p>Displacement</p> <p>Oxidation</p> <p>Reactivity</p> <p>pH</p> <p>Indicators</p> <p>Base</p> <p>Acid</p> <p>Concentration</p> <p>Malleable</p> <p>Ductile</p> <p>Sonorous</p>	<p><a href="#">The Royal Society of Chemistry</a> has many useful resources including experiments, careers and further reading.</p> <p>'KS3 CPG Science Revision Guide' contains useful revision materials for the science course.</p>	<p>Encourage students to use their course home learning booklets to revise and practice key information after each lesson.</p> <p>Ensure students are accessing Microsoft Teams to complete work directed by their teachers.</p>
Lesson 2	Reactions and metals				
Lesson 3	Reactivity of metals				
Lesson 4	Acid and alkalis				
Lesson 5	Neutralisation				
Lesson 6	Planning an investigation				
Lesson 7	Completing an investigation				
Lesson 8	Investigating the reactivity series				
Lesson 9	Directed improvement time and review				