

Year 8 Science

Learning Programme 2

<p>The LORIC skill focus for his LP is: ORGANISATION</p> <p>The Moral Virtues focus for this LP are: COMPASSION and HONESTY</p> <p>Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others.</p> <p>Honesty - the quality of being truthful.</p> <p>What will I be learning about in this Learning Programme?</p> <p>How different elements react and the products formed, the structure of the earth and its atmosphere.</p> <p>Where have I seen this learning before?</p> <p>Acids and alkalis from KS2, structure of the earth and the basic structure of the modern atmosphere.</p> <p>What could I use it for?</p> <p>Chemical changes, the earth and atmosphere in GCSE chemistry. The study of the earth and environmental sciences in university. The study of chemistry in university.</p>		<p>Literacy:</p> <ul style="list-style-type: none"> Capital letters must be used at the start of sentences and for the first letter of proper nouns Full stops must be used at the end of a sentence Question marks must be used at the end of a question Apostrophes should only be used for possession or omission Days of the week and months must be spelled correctly Key words must be spelled correctly
<p>In LP2.1, I will know:</p> <p>the reactivity of metals according to how they react with oxygen; the reactivity of metals according to how they react with water; that mass is conserved during a chemical reaction.</p>	<p>21/10/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Exothermic</p>	<p>Homework</p> <p>Learn spellings.</p>
<p>In LP2.2, I will know:</p> <p>how to describe a chemical reaction as endo or exothermic from temperature change data; how to predict and investigate displacement between metals and metal compounds; how to use the reactivity series to decide which metals can be extracted from their ores by heating with carbon.</p>	<p>04/11/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Displacement</p>	<p>Homework</p> <p>Learn definitions</p>
<p>LP2 RLW, I will:</p> <p>review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.</p>	<p>11/11/24 - (WK 2)</p> <p>Revise</p>	<p>Practice revision techniques for upcoming summative assessments.</p>
<p>In LP2.3, I will know:</p> <p>the three types of rock that make up the crust of the Earth; how weathering breaks up rocks to form sediments; why sedimentary rocks have layers.</p> <p>Extended Task.</p>	<p>18/11/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Weathering</p>	<p>Homework</p> <p>Knowledge organiser flipper</p>
<p>In LP2.4, I will know:</p> <p>how igneous rocks are formed from molten rock; how metamorphic rocks are formed from other rocks; how to use the rock cycle to explain how the material in rocks is recycled.</p>	<p>25/11/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Metamorphic rock</p>	<p>Homework</p> <p>Numeracy task</p>
<p>In LP2.5, I will know:</p> <p>how to describe and explain the formation of the different rock types; the processes involved in changing the composition of Earth atmosphere; the processes that remove/put out carbon dioxide into the atmosphere.</p>	<p>02/12/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Igneous rock</p>	<p>Homework</p> <p>10 core questions worksheet</p>
<p>In LP2.6, I will know:</p> <p>a cause and impact of global warming; how to complete a summative assessment; how to review learning from the summative assessment task.</p> <p>Extended Task.</p>	<p>09/12/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Atmosphere</p>	<p>Homework</p> <p>Extended exam question.</p>
<p>In LP2.7, I will know:</p> <p>the advantages and disadvantages of recycling; in terms of particles, how energy is transferred; how to identify waste/useful energy transfers.</p>	<p>16/12/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Global warming</p>	<p>Homework</p> <p>10 core questions worksheet</p>
<p>Resources to support learning:</p> <p>Knowledge map, TEAMS, KS3 bitesize, science booklets.</p>		
<p>FFET Award Challenge for this Learning Programme:</p> <p>Design an environmentally friendly product which can be recycled. Explain what materials you have chosen to use and why.</p>		

