

Year 11 Chemistry Learning Programme 4

<p>The LORIC skill focus for this LP is: INITIATIVE.</p> <p>The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles.</p> <p>Gratitude - Feeling and expressing thanks.</p> <p>What will I be learning about in this Learning Programme? How we, as humans, impact the environment around us. How we can use a life cycle assessment to minimise our impact on the Earth. The importance of the Haber Process.</p> <p>Where have I seen this learning before? KS3 - Recycling Materials</p> <p>What could I use it for? Chemical Engineering and Sustainable Development Programmes.</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 LP4.1, I will know:</p> <p>how to reduce, reuse and recycle to reduce our carbon footprint; how to explain the life cycle assessment of a product.</p>	<p>04/03/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Life Cycle Assessment</p>	<p>Homework</p> <p>Retrieval Questions based on LP3</p>
<p>In LP4.2, I will know:</p> <p>how we can prevent corrosion; how to explain the different properties of alloys compared to their base metal; how to explain the properties of ceramics, composites and glass.</p>	<p>11/03/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Corrosion</p>	<p>Homework</p> <p>PPQ based on life cycle assessment</p>
<p>In LP4.3, I will know:</p> <p>how to explain the chemical and physical properties of polymers; how to explain the key aspects of the Haber Process; how fertilisers are made.</p> <p>Extended Task.</p>	<p>18/03/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Haber Process</p>	<p>Homework</p> <p>Retrieval Questions based on properties of glass, ceramics and composites.</p>
<p>In LP4.4, I will know:</p> <p>How to revise for Paper 1 Content</p>	<p>25/03/24 - (WK 2)</p> <p>Key Vocabulary</p>	<p>Homework</p> <p>Past paper questions on paper 1 content</p>
<p>In LP4.5, I will know:</p> <p>How to revise for Paper 1 Content</p>	<p>15/04/24 - (WK 1)</p> <p>Key Vocabulary</p>	<p>Homework</p> <p>Past paper questions on paper 1 content</p>
<p>In LP4.6, I will know:</p> <p>How to revise for Paper 2 Content</p> <p>Extended Task.</p>	<p>22/04/24 - (WK 2)</p> <p>Key Vocabulary</p>	<p>Homework</p> <p>Past paper questions on paper 2 content</p>
<p>In LP4.7, I will know:</p> <p>How to revise for Paper 2 Content</p>	<p>29/04/24 - (WK 1)</p> <p>Key Vocabulary</p>	<p>Homework</p> <p>Past paper questions on paper 2 content</p>
<p>In LP4.8, I will know:</p> <p>How to revise for Paper 2 Content</p>	<p>06/05/24 - (WK 2)</p> <p>Key Vocabulary</p>	<p>Homework</p> <p>Past paper questions on paper 2 content</p>
<p>Resources to support learning: Knowledge organiser, topic booklet, Cognito science videos on YouTube, carousel learning, Microsoft TEAMS and GCSE Bitesize</p>		
<p>FFET Award Challenge for this Learning Programme: LP4 Year 11 Science: Complete a Practice paper independently</p>		

PRT Task 1

PRT Task 2