

Year 11 Chemistry Combined 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 to produce potable water and treat waste water and how to assess the environmental impact of different products.</p> <p>Where have I seen this learning before? Atmospheric pollutants in LP3 and Polymers in Y10</p> <p>What could I use it for? Careers in environmental science or as a water treatment engineer</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 explain the difference between finite and renewable energy sources; how we can make water safe to drink; how to conduct the required practical - Analysis and Purification of Water Samples.</p>	<p>04/03/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Potable Water</p>	<p>Homework</p> <p>Retrieval Questions based on LP3</p>
<p>In LP4.2, I will know:</p> <p>how to treat waste water to make it safe to be discharged into rivers; how to extract metal from low grade ores using alternative methods (HT only); how we can increase the life cycle of a product of reducing its use, reusing it or recycling it.</p>	<p>11/03/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Life Cycle Assessment</p>	<p>Homework</p> <p>PPQ based on the Required Practical</p>
<p>In LP4.3, I will know:</p> <p>Revision for GCSE Science Exams</p> <p>Extended Task.</p>	<p>18/03/24 - (WK 1)</p> <p>Key Vocabulary</p>	<p>Homework</p> <p>Past paper questions on paper 1 content</p>
<p>In LP4.4, I will know:</p> <p>how to revise paper 1 content for chemistry</p>	<p>25/03/24 - (WK 2)</p> <p>Key Vocabulary</p>	<p>Homework</p> <p>Past paper questions on paper 2 content</p>
<p>In LP4.5, I will know:</p> <p>how to revise paper 2 content for chemistry</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 paper 1 content for physics</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 paper 2 content for physics</p>	<p>29/04/24 - (WK 1)</p> <p>Key Vocabulary</p>	<p>Homework</p> <p>Past paper questions on paper 1 content</p>
<p>In LP4.8, I will know:</p> <p>how to confidently approach mathematical and extended type questions</p>	<p>06/05/24 - (WK 2)</p> <p>Key Vocabulary</p>	<p>Homework</p> <p>Past paper questions on paper 1/2 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