

Year 11 Physics/Chemistry Combined Learning Programme 4

<p>The LORIC skill focus for his LP is: INITIATIVE. The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles. Gratitude - Feeling and expressing thanks.</p> <p>What will I be learning about in this Learning Programme? Completing magnetism and electromagnetism, then moving onto how the earth's atmosphere has developed and how humans are impacting the atmosphere. How humans are using the earth's resources and evaluate the environmental impact of this usage.</p> <p>Where have I seen this learning before? Greenhouse effect and Combustion from KS3. Magnets from KS3</p> <p>What could I use it for? Chemical engineering and Atmospheric Science at 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 LP4.1, I will know:</p> <p>how to use Fleming's Left Hand Rule to deduce the direction of force/current/magnetic field. Apply and rearrange the equation $F=Bil$; how to explain how a motor works, using Fleming's Left Hand Rule to predict it's direction of motion.</p>	<p>10/03/25 - (WK 2)</p>	<p>Key Vocabulary</p> <p>magnetic</p>	<p>Homework</p> <p>PPQ based on $F = BIL$</p>
<p>In LP4.2, I will know:</p> <p>how to explain the formation of the Earth's atmosphere and how greenhouse gases contribute to climate change; how human behaviour contributes to the Earth's carbon footprint; how to explain the impact of atmospheric pollutants on the Earth's atmosphere.</p>	<p>17/03/25 - (WK 1)</p>	<p>Key Vocabulary</p> <p>Climate Change</p>	<p>Homework</p> <p>PPQ based on Earth's atmosphere</p>
<p>In LP4.3, I will know:</p> <p>how to explain how we, as humans, use the Earth's natural resources, including; water and other natural resources; how to carry out the required practical for the analysis and purification of water samples.</p> <p>Extended Task.</p>	<p>24/03/25 - (WK 2)</p>	<p>Key Vocabulary</p> <p>Potable Water</p>	<p>Homework</p> <p>PPQ based on purification of water</p>
<p>In LP4.4, I will know:</p> <p>Revise Paper 1 content.</p>	<p>31/03/25 - (WK 1)</p>	<p>Key Vocabulary</p>	<p>Homework</p>
<p>In LP4.5, I will know:</p> <p>Revise Paper 1 content.</p>	<p>21/04/25 - (WK 2)</p>	<p>Key Vocabulary</p>	<p>Homework</p>
<p>In LP4.6, I will know:</p> <p>Revise Paper 2 content.</p> <p>Extended Task.</p>	<p>28/04/25 - (WK 1)</p>	<p>Key Vocabulary</p>	<p>Homework</p>
<p>In LP4.7, I will know:</p> <p>Revise Paper 2 content.</p>	<p>05/05/25 - (WK 2)</p>	<p>Key Vocabulary</p>	<p>Homework</p>
<p>Resources to support learning: Knowledge organiser, topic booklet, GCSE Bitesize.</p>			
<p>FFET Award Challenge for this Learning Programme: Create a Science revision timetable.</p>			

PRT Task 1

PRT Task 2