

Year 10 Chemistry Combined Learning Programme 2

<p>The LORIC skill focus for his LP is: ORGANISATION 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. Honesty - the quality of being truthful.</p> <p>What will I be learning about in this Learning Programme? How our understanding of atomic theory has developed and how elements are organised in the periodic table.</p> <p>Where have I seen this learning before? You will have covered particles and atomic structure in KS3 as well as the structure of the periodic table.</p> <p>What could I use it for? You will use the atomic model to explain the bonding and structure in different substances in LP2 and 3.</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: 21/10/24 - (WK 2)</p> <p>how our ideas of the atom developed through experimental observation; how protons, neutrons and electrons are arranged in an atom; how to calculate the number of protons, neutrons and electrons in an atom; how to calculate the mass of an isotope taking into account abundancies.</p>	<p>Key Vocabulary</p> <p>Isotope</p>	<p>Homework</p> <p>Key Retrieval Questions</p>
<p>In LP2.2, I will know: 04/11/24 - (WK 1)</p> <p>the difference between elements, compounds and molecules; how to identify molecular substances and write; chemical formulae and chemical equations.</p>	<p>Key Vocabulary</p> <p>Molecule</p>	<p>Homework</p> <p>Past Paper Question</p>
<p>LP2 RLW, I will: 11/11/24 - (WK 2)</p> <p>review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.</p>		
<p>In LP2.3, I will know: 18/11/24 - (WK 1)</p> <p>how to calculate the conservation of mass; how to write symbol equations; the basic separation techniques from KS3 and how they occur.</p> <p>Extended Task.</p>	<p>Key Vocabulary</p> <p>Chemical Equation</p>	<p>Homework</p> <p>Key Retrieval Questions</p>
<p>In LP2.4, I will know: 25/11/24 - (WK 2)</p> <p>how the modern periodic table is arranged and how it came to be developed from the early one first suggested by Mendeleev.</p>	<p>Key Vocabulary</p> <p>Periodic Table</p>	<p>Homework</p> <p>Past Paper Question</p>
<p>In LP2.5, I will know: 02/12/24 - (WK 1)</p> <p>how the group 1 metals - the alkalis - are arranged (in terms of electron configuration), their key; properties, uses and reactions.</p>	<p>Key Vocabulary</p> <p>Alkali Metal</p>	<p>Homework</p> <p>Key Retrieval Questions</p>
<p>In LP2.6, I will know: 09/12/24 - (WK 2)</p> <p>how group 7 - the halogens - are arranged (in terms of electron configuration), their key; properties, uses and reactions.</p> <p>Extended Task.</p>	<p>Key Vocabulary</p> <p>The Halogens</p>	<p>Homework</p> <p>Past Paper Question</p>
<p>In LP2.7, I will know: 16/12/24 - (WK 1)</p> <p>how displacement reactions occur and explain why displacement happens in the order it does for the group 7 halogens.</p>	<p>Key Vocabulary</p> <p>Displacement</p>	<p>Homework</p> <p>Key Retrieval Questions</p>
<p>Resources to support learning: Knowledge Organiser, Topic Booklet, Oak Academy, Microsoft TEAMS and GCSE Bitesize</p>		
<p>FFET Award Challenge for this Learning Programme: LP2 Year 10 Science: Create a revision resource on a topic of your choice.</p>		

PRT Task 1

PRT Task 2