

Year 11 Combined Science Biology/Chemistry Learning Programme 4

<p>The LORIC skill focus for this LP is: INITIATIVE. The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles. I will show integrity by taking responsibility for my actions. Gratitude - Feeling and expressing thanks. I will show gratitude by saying please and thank you.</p> <p>What will I be learning about in this Learning Programme? You are learning about ecosystems and how humans can impact biodiversity.</p> <p>Where have I seen this learning before? You will have learnt about ecosystems in KS2 and KS3 and also in Geography. You will have learnt about the carbon cycle and global warming in Chemistry.</p> <p>What could I use it for? You will use this information in A level Biology and if you want to complete a degree in Ecology.</p>		<p>Literacy Non-Negotiables:</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 • Vocabulary to be taught using the Frayer model
<p>In LP4.1, I will know:</p> <p>how to complete an assessment to review my learning so far; how to complete review learning activities to fill gaps in my knowledge.</p>	<p>09/03/26 - (WK 2)</p> <p>Frayer Model Words</p> <p>assessment</p>	<p>Homework</p> <p>Complete Sparx homework task.</p>
<p>In LP4.2, I will know:</p> <p>how living things compete for biotic and abiotic factors in an environment including the adaptations to survive competition; how food chains explain feeding relationships in ecosystems.</p>	<p>16/03/26 - (WK 1)</p> <p>Frayer Model Words</p> <p>competition</p>	<p>Homework</p> <p>Complete Sparx homework task.</p>
<p>In LP4.3, I will know:</p> <p>how materials are recycled through the carbon and water cycles; how human activity impacts on natural environments to reduce biodiversity.</p> <p>Extended Task.</p>	<p>23/03/26 - (WK 2)</p> <p>Frayer Model Words</p> <p>biodiversity</p>	<p>Homework</p> <p>Complete Sparx homework task.</p>
<p>In LP4.4, I will know:</p> <p>the evolution of the atmosphere and human impact on the atmosphere as well as ways to reduce it; how acid rain is formed, the consequences of it and how to reduce it.</p>	<p>13/04/26 - (WK 1)</p> <p>Frayer Model Words</p> <p>atmosphere</p>	<p>Homework</p> <p>Complete Sparx homework task.</p>
<p>In LP4.5, I will know:</p> <p>how to carry out random sampling and the importance of this; the Required Practical: Sampling in preparation for my external exams.</p>	<p>20/04/26 - (WK 2)</p> <p>Frayer Model Words</p> <p>quadrat</p>	<p>Homework</p> <p>Complete Sparx homework task.</p>
<p>In LP4.6, I will know:</p> <p>the use of biological indicators to identify areas of high pollution; how human activities contribute to the greenhouse effect which leads to global warming and the impact of this.</p> <p>Extended Task.</p>	<p>27/04/26 - (WK 1)</p> <p>Frayer Model Words</p> <p>pollution</p>	<p>Homework</p> <p>Complete Sparx homework task.</p>
<p>In LP4.7, I will know:</p> <p>how to calculate carbon footprint and how to reduce it.</p>	<p>04/05/26 - (WK 2)</p> <p>Frayer Model Words</p> <p>carbon footprint</p>	<p>Homework</p> <p>Complete Sparx homework task.</p>
<p>Resources to support learning:</p> <p>https://www.youtube.com/watch?v=SKDn90HK98Q Synergy, knowledge organisers, Sparx Science.</p>		
<p>FFET Award Challenge for this Learning Programme:</p> <p>Complete a practice paper and hand it to your teacher for feedback.</p>		

PRT Task 1

PRT Task 2