

Year 11 Biology

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. 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? Ecology, adaptation, material cycles and human impact on the earth and biodiversity.</p> <p>Where have I seen this learning before? Evolution in Year 8 KS3.</p> <p>What could I use it for? A level biology, future biology and ecology based degree subjects.</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 measure the distribution of living things in their natural environment; how to the mean, median and mode to help you understand your data.</p>	<p>09/03/26 - (WK 2)</p> <p>Frayer Model Words</p> <p>Sampling</p>	<p>Homework</p> <p>Complete Sparx Science task</p>
<p>In LP4.2, I will know:</p> <p>why animals compete and describe the factors that organisms compete for in a habitat and be able to describe what plants compete for and how they compete; how to explain adaptations that made plants and animals successful competitors and describe what organisms need in order to survive.</p>	<p>16/03/26 - (WK 1)</p> <p>Frayer Model Words</p> <p>Adaptation</p>	<p>Homework</p> <p>Complete Sparx Science task</p>
<p>In LP4.3, I will know:</p> <p>how materials are recycled in a stable community, including water cycle and carbon cycle and be able to explain the importance of decay; the factors that affect the rate of decay and how to make compost. I will be able to investigate how temperature affects the rate of decay; Extended Task.</p>	<p>23/03/26 - (WK 2)</p> <p>Frayer Model Words</p> <p>Biodiversity</p>	<p>Homework</p> <p>Complete Sparx Science task</p>
<p>In LP4.4, I will know:</p> <p>how to complete formative assessment and PRT; some of the effects of the growth in human population on the Earth and its resourced and describe how human activities pollute the land and water.</p>	<p>13/04/26 - (WK 1)</p> <p>Frayer Model Words</p> <p>Deforestation</p>	<p>Homework</p> <p>Complete Sparx Science task</p>
<p>In LP4.5, I will know:</p> <p>the definitions of deforestation, global warming and peat bog destruction. I will know the impact of waste, deforestation and global warming on biodiversity; some of the ways people are trying to reduce the impact of human activities on ecosystems and maintaining biodiversity; how much biomass is transferred between trophic levels and be able to explain how biomass is lost by organisms at each stage of the</p>	<p>20/04/26 - (WK 2)</p> <p>Frayer Model Words</p> <p>Biomass</p>	<p>Homework</p> <p>Complete Sparx Science task</p>
<p>In LP4.6, I will know:</p> <p>compare the efficiency of long and short food chains and explain how farmers can manage food production by reducing wasted energy; how to revise paper 2 content.</p> <p>Extended Task.</p>	<p>27/04/26 - (WK 1)</p> <p>Frayer Model Words</p> <p>Food chain</p>	<p>Homework</p> <p>Complete Sparx Science task</p>
<p>In LP4.7, I will know:</p> <p>how to complete formative assessment and PRT; how to revise paper 2 content.</p>	<p>04/05/26 - (WK 2)</p> <p>Frayer Model Words</p>	<p>Homework</p> <p>Complete Sparx Science task</p>
<p>Resources to support learning:</p> <p>Knowledge organiser, Synergy, GCSE bitesize, Cognito, Studymind</p>		
<p>FFET Award Challenge for this Learning Programme:</p> <p>Complete practice paper independently.</p>		

PRT Task 1

PRT Task 2