

Year 8 Science

Learning Programme 4

<p>The LORIC skill focus for his LP is: INITIATIVE.</p> <p>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.</p> <p>Gratitude - Feeling and expressing thanks. I will show gratitude by saying please and thank you.</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>What will I be learning about in this Learning Programme?</p> <p>How animals and plants survive in various ecosystems, including relevant adaptations.</p>			
<p>Where have I seen this learning before?</p> <p>Cells, tissues, organs and levels of organisation within animals and plants.</p> <p>What could I use it for?</p> <p>GCSE science: levels of organisation, how the body works.</p>			
<p>In LP4.1, I will know:</p> <p>how to complete a summative assessment; how to review my learning following the summative assessment; the meaning of the terms ecosystem, community, population, habitat and niche.</p>	<p>09/03/26 - (WK 2)</p>	<p>Frayer Model Words</p> <p>ecosystem</p>	<p>Homework</p> <p>Complete task on Sparx Science</p>
<p>In LP4.2, I will know:</p> <p>how to explain the link between food chains and energy; how to construct a pyramid of numbers and biomass; how to describe the interdependence of organisms.</p>	<p>16/03/26 - (WK 1)</p>	<p>Frayer Model Words</p> <p>adaptation</p>	<p>Homework</p> <p>Complete task on Sparx Science</p>
<p>In LP4.3, I will know:</p> <p>some adaptations in animals to reduce competition; how to calculate surface area: volume ratios and link to adaptations; how to explain a range of plant adaptations, including seed dispersal.</p> <p>Extended Task.</p>	<p>23/03/26 - (WK 2)</p>	<p>Frayer Model Words</p> <p>sampling</p>	<p>Homework</p> <p>Complete task on Sparx Science</p>
<p>In LP4.4, I will know:</p> <p>how to use some sampling techniques; how to use quadrants to investigate samples on a field; that inherited characteristics are also impacted by environment.</p>	<p>13/04/26 - (WK 1)</p>	<p>Frayer Model Words</p> <p>inheritance</p>	<p>Homework</p> <p>Complete task on Sparx Science</p>
<p>In LP4.5, I will know:</p> <p>how to model continuous and discontinuous variation; and be able to describe the structure of DNA; how different species evolve to suit an environment.</p>	<p>20/04/26 - (WK 2)</p>	<p>Frayer Model Words</p> <p>biodiversity</p>	<p>Homework</p> <p>Complete task on Sparx Science</p>
<p>In LP4.6, I will know:</p> <p>the different methods to conserve biodiversity; the Theory of Evolution by Natural Selection; why fossils are useful when discussing evolution.</p> <p>Extended Task.</p>	<p>27/04/26 - (WK 1)</p>	<p>Frayer Model Words</p> <p>evolution</p>	<p>Homework</p> <p>Complete task on Sparx Science</p>
<p>In LP4.7, I will know:</p> <p>how to describe evolution as a reason for extinction; the ethics and biological impact of selective breeding; the properties of waves and their feature.</p>	<p>04/05/26 - (WK 2)</p>	<p>Frayer Model Words</p> <p>wave</p>	<p>Homework</p> <p>Complete task on Sparx Science</p>
<p>Resources to support learning:</p> <p>Knowledge Organiser, Science booklets, BBC bitesize, Synergy</p>			
<p>FFET Award Challenge for this Learning Programme:</p> <p>Research Franklin, Watson and Crick. Create a short biography on each person and their contributions to our understanding of DNA.</p>			

