

## Year 11 Triple Biology Learning Programme 4

<p>The LORIC skill focus for this LP is: INITIATIVE.</p> <p>The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles.</p> <p>Gratitude - Feeling and expressing thanks.</p> <p><b>What will I be learning about in this Learning Programme?</b> How to revise effectively for our upcoming GCSE's.</p> <p><b>Where have I seen this learning before?</b> Learning completed throughout year 10 and year 11 in preparation for GCSE exams.</p> <p><b>What could I use it for?</b> In future A-Level studies in biology subjects, degree or careers involving biology or biology based subjects.</p>		<p><b>Literacy:</b></p> <ul style="list-style-type: none"> <li>• Capital letters must be used at the start of sentences and for the first letter of proper nouns</li> <li>• Full stops must be used at the end of a sentence</li> <li>• Question marks must be used at the end of a question</li> <li>• Apostrophes should only be used for possession or omission</li> <li>• Days of the week and months must be spelled correctly</li> <li>• Key words must be spelled correctly</li> </ul>
<p><b>In LP4.1, I will know:</b></p> <p>how to explain 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 food chain. I will be able to compare the efficiency of long and short food chains and explain how farmers can manage food production</p>	<p><b>04/03/24 - (WK 1)</b></p> <p><b>Key Vocabulary</b></p> <p>Biomass</p>	<p><b>Homework</b></p> <p>20 questions on past topics and ecology.</p>
<p><b>In LP4.2, I will know:</b></p> <p>how to revise microscopy including Required Practical 1; how to revise cell specialisation, stem cell dilemmas and how to culture microorganisms including Required Practical 2; how to revise cell division.</p>	<p><b>11/03/24 - (WK 2)</b></p> <p><b>Key Vocabulary</b></p> <p>Eukaryotic</p>	<p><b>Homework</b></p> <p>Past paper question on cells.</p>
<p><b>In LP4.3, I will know:</b></p> <p>how to revise transport in cells including required practical 3; how to revise the digestive system, including Required Practical 4.</p> <p>Extended Task.</p>	<p><b>18/03/24 - (WK 1)</b></p> <p><b>Key Vocabulary</b></p> <p>Differentiation</p>	<p><b>Homework</b></p> <p>20 questions on the digestive system.</p>
<p><b>In LP4.4, I will know:</b></p> <p>how to revise enzyme activity, including Required Practical 5; how to revise the heart and blood vessels; how to revise non-communicable diseases and cancer.</p>	<p><b>25/03/24 - (WK 2)</b></p> <p><b>Key Vocabulary</b></p> <p>Enzyme</p>	<p><b>Homework</b></p> <p>Past paper question on organisation.</p>
<p><b>In LP4.5, I will know:</b></p> <p>how to revise plant tissues, organs and systems; how to revise communicable diseases and human defence systems.</p>	<p><b>15/04/24 - (WK 1)</b></p> <p><b>Key Vocabulary</b></p> <p>Capillary</p>	<p><b>Homework</b></p> <p>20 questions on communicable diseases.</p>
<p><b>In LP4.6, I will know:</b></p> <p>how to revise vaccination, and the discovery and development of drugs; how to revise monoclonal antibodies and their uses; how to revise plant diseases and response.</p> <p>Extended Task.</p>	<p><b>22/04/24 - (WK 2)</b></p> <p><b>Key Vocabulary</b></p> <p>Communicable</p>	<p><b>Homework</b></p> <p>Past paper question on communicable diseases.</p>
<p><b>In LP4.7, I will know:</b></p> <p>how to revise photosynthesis, including Required Practical 6; how to revise aerobic and anaerobic respiration.</p>	<p><b>29/04/24 - (WK 1)</b></p> <p><b>Key Vocabulary</b></p> <p>Monoclonal antibodies</p>	<p><b>Homework</b></p> <p>20 questions on bioenergetics.</p>
<p><b>In LP4.8, I will know:</b></p> <p>to revise exam skills; to revise exam skills; to revise exam skills.</p>	<p><b>06/05/24 - (WK 2)</b></p> <p><b>Key Vocabulary</b></p> <p>Aerobic</p>	<p><b>Homework</b></p> <p>Past paper question based on exam skills.</p>
<p><b>Resources to support learning:</b> Knowledge organiser, topic booklet, Cognito science videos on YouTube, carousel learning, Microsoft TEAMS and GCSE Bitesize.</p>		
<p><b>FFET Award Challenge for this Learning Programme:</b> LP4 Year 11 Science: Complete a Practice paper independently.</p>		

PRT Task 1

PRT Task 2