

Year 12 A Level Biology Learning Programme 5

<p>The LORIC skill focus for his LP is: COMMUNICATION. The Moral Virtues focus for this LP are: COURAGE and HUMILITY.</p> <p>Courage - Acting with bravery and overcoming fears. Humility - Having a modest view of oneself.</p> <p>What will I be learning about in this Learning Programme? Biodiversity of organisms and how sampling is used to measure biodiversity.</p> <p>Where have I seen this learning before? You have learnt about biodiversity in KS3 and GCSE</p> <p>What could I use it for? You will use this again if you study a Bachelor of Science degree in Biological Science or Ecology.</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 LP5.1, I will know: 11/05/26 - (WK 1)</p> <p>how biodiversity may be considered at different levels; how sampling is used in measuring the biodiversity of a habitat and the importance of sampling random and non-random sampling.</p>	<p>Key Vocabulary</p> <p>Habitat</p>	<p>Homework</p> <p>Research different habitats</p>
<p>In LP5.2, I will know: 18/05/26 - (WK 2)</p> <p>the importance of sampling the range of organisms in a habitat; how to measure species richness and species evenness in a habitat.</p>	<p>Key Vocabulary</p> <p>Biodiversity</p>	<p>Homework</p> <p>Exam question on methods of sampling</p>
<p>LP5 RLW, I will: 01/06/26 - (WK 1)</p>		
<p>review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.</p>	<p>Key Vocabulary</p> <p>Revision</p>	<p>Homework</p> <p>Revision task</p>
<p>In LP5.3, I will know: 08/05/26 - (WK 2)</p> <p>the use and interpretation of Simpson's Index of Diversity (d) to calculate the biodiversity of a habitat; how to carry out PAG3.</p> <p>Extended Task.</p>	<p>Key Vocabulary</p> <p>Sampling</p>	<p>Homework</p> <p>Write up PAG 3</p>
<p>In LP5.4, I will know: 15/06/26 - (WK 1)</p> <p>how to complete a summative assessment; my strengths and areas for improvement.</p>	<p>Key Vocabulary</p> <p>Assessment</p>	<p>Homework</p> <p>Review task</p>
<p>In LP5.5, I will know: 22/06/26 - (WK 2)</p> <p>how genetic biodiversity may be assessed, for example, by the calculation of the percentage of gene variants (alleles) in a genome; the factors affecting genetic biodiversity in isolated populations.</p>	<p>Key Vocabulary</p> <p>Alleles</p>	<p>Homework</p> <p>Question on calculating genetic diversity</p>
<p>In LP5.6, I will know: 29/06/26 - (WK 1)</p> <p>the factors affecting biodiversity, including human population growth, agriculture and climate change; the ecological, economic and aesthetic reasons for maintaining biodiversity in situ and ex situ methods of maintaining biodiversity.</p> <p>Extended Task.</p>	<p>Key Vocabulary</p> <p>In situ ex situ</p>	<p>Homework</p> <p>Discuss why we should maintain biodiversity.</p>
<p>In LP5.7, I will know: 06/7/26 - (WK 2)</p> <p>in situ and ex situ methods of maintaining biodiversity; international and local conservation agreements made to protect species and habitats.</p>	<p>Key Vocabulary</p> <p>Conservation</p>	<p>Homework</p> <p>Exam question on in situ and ex situ conservation.</p>
<p>Resources to support learning: EPC Knowledge organiser, Text book, Synergy, Studymind, Seneca OCR Biology alevel.</p>		
<p>FFET Award Challenge for this Learning Programme: Assist the science department in an after school club or work with the lab technician to gain experience of working in a lab. Complete a practice paper as part of your revision.</p>		

