

Year 11 Combined Science Bio/Chem 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>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>Integrity - Having strong moral principles. Gratitude - Feeling and expressing thanks.</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>		

In LP4.1, I will know:	10/03/25 - (WK 2)	Key Vocabulary	Homework
how to complete an assessment to review my learning so far; how to complete review learning activities to fill gaps in my knowledge.		assessment	Revision for mock assessment.

In LP4.2, I will know:	17/03/25 - (WK 1)	Key Vocabulary	Homework
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.		competition	Exam questions on ecological relationships.

In LP4.3, I will know:	24/03/25 - (WK 2)	Key Vocabulary	Homework
how materials are recycled through the carbon and water cycles; how human activity impacts on natural environments to reduce biodiversity.		biodiversity	Exam questions on human impact.
Extended Task.			

In LP4.4, I will know:	31/03/25 - (WK 1)	Key Vocabulary	Homework
how to carry out random sampling and the importance of this; the Required Practical: Sampling in preparation for my external exams.		quadrat	Exam questions on the sampling required practical.

In LP4.5, I will know:	21/04/25 - (WK 2)	Key Vocabulary	Homework
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.		pollution	Exam questions on global warming.

In LP4.6, I will know:	28/04/25 - (WK 1)	Key Vocabulary	Homework
review paper 1 content in preparation for my upcoming assessments.		review	Exam questions on paper 1 topics.
Extended Task.			

In LP4.7, I will know:	05/05/25 - (WK 2)	Key Vocabulary	Homework
review paper 2 content in preparation for my upcoming assessments.		revise	Exam questions on paper 2 topics.

Resources to support learning:
https://www.youtube.com/watch?v=SKDn90HK98Q Synergy, knowledge organisers, Sparx Science.

FFET Award Challenge for this Learning Programme:
Complete a practice paper independently.

