

Year 11 GCSE Biology

Learning Programme 4

The LORIC skill focus for his LP is: INITIATIVE. The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.			Literacy: <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
Integrity - Having strong moral principles. Gratitude - Feeling and expressing thanks.			
What will I be learning about in this Learning Programme? Ecology, adaptation, material cycles and human impact on the earth and biodiversity.			
Where have I seen this learning before? Evolution in Year 8 KS3. What could I use it for? A level biology, future biology and ecology based degree subjects.			
In LP4.1, I will know:	10/03/25 - (WK 2)	Key Vocabulary	Homework
how to complete mock exam paper 2.			Revise using Sparx science
In LP4.2, I will know:	17/03/25 - (WK 1)	Key Vocabulary	Homework
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.	Adaptation		Past paper question on adaptations
In LP4.3, I will know:	24/03/25 - (WK 2)	Key Vocabulary	Homework
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.	Biodiversity		Retrieval questions on how materials are recycled.
In LP4.4, I will know:	31/03/25 - (WK 1)	Key Vocabulary	Homework
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.	Deforestation		Revision task on Ecology.
In LP4.5, I will know:	21/04/25 - (WK 2)	Key Vocabulary	Homework
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	Biomass		Past paper question on deforestation.
In LP4.6, I will know:	28/04/25 - (WK 1)	Key Vocabulary	Homework
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. Extended Task.	Food chain		Retrieval questions on food chains and webs.
In LP4.7, I will know:	05/05/25 - (WK 2)	Key Vocabulary	Homework
how to complete formative assessment and PRT; how to revise paper 2 content.			Revision using Sparx science
Resources to support learning:			
Knowledge organiser, Synergy, GCSE bitesize, Cognito, Studymind			
FFET Award Challenge for this Learning Programme:			
Complete practice paper independently.			

PRT Task 1

PRT Task 2