

High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 11

Thread 6—Ecology



	Biology Thread 6	Progress		
Topic	Key ideas	R	A	G
Ecology	Explain why communities are important			
	Explain why adaptations are important			
	Explain how to estimate the number of organisms in a habitat			
	Explain the processes involved in the water cycle			
	Explain the processes involved in the carbon cycle			
	Identify and explain human impact on the environment, including the reasons for deforestation and peat bog destruction			
	Describe Biodiversity and why it is important			

Lesson	Learning Focus	Assessment	Key Words
1	Why are Communities important?	Green pen self assessment of tasks	Communities, populations, abiotic Biotic, ecosystem
2	How are organisms adapted?	Peer assessment and feedback	Adaptation , survival
3	How can we measure distribution in a habitat?	Required Practical	Mean, distribution , quadrat, transect
4	How are materials cycled?	Diagram of the water cycle, exam questions	Evaporation, condensation, Respiration, Photosynthesis, Combustion
5	How does Deforestation and Peat Bog Destruction impact on the environment?	Exam Questions	Deforestation , peat bog
6	Why is biodiversity important?	Exam questions	Biodiversity, variation, ecosystem
7	Retrieval	Self Assessment	