

# High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 9

## Thread 6—Ecology



	Biology Thread 6	Progress		
Topic	Key ideas	R	A	G
Ecology	I can describe a community			
	I can explain how different adaptations help an organism to survive within a given environment.			
	I can explain what Biodiversity is.			
	I can describe feeding relationships within an ecosystem			
	I can describe how a transect can be used to measure the distribution of organisms			
	Describe causes of air and water pollution and how explain how these reduce Biodiversity.			

Lesson	Learning Focus	Assessment	Key Words
1	What is a community?	Exam question	Habitats, Population, community
2	How are organisms adapted to survive within their habitat?	Level assessed question	Structural, behavioural, functional, adaptation, extremophile
3	What is Biodiversity?	Green pen responses, Exam Question	Biodiversity, anthropogenic
4	Why are feeding relationships important within a community?	Level assessed task	Photosynthesis, predator, prey, community
5	How does the distribution of organisms change?	Required Practical	Distribution, quadrat, transect, mean
6	What is the impact of Air Pollution?	Extended writing task	Smog, Acidification
7	What is the impact of Water Pollution?	Eutrophication task	Eutrophication, Anoxic
8	Retrieval	Self assessment	