

High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 10

Thread 3 – Bioenergetics



	Biology Thread 3	Progress		
Topic	Key ideas	R	A	G
Bioenergetics	I can explain the process of Photosynthesis			
	I can explain and evaluate Aerobic Respiration			
	I can explain and evaluate Anaerobic Respiration			
	I can explain how the body responds to exercise, linking it to respiration.			

Lesson	Learning Focus	Assessment	Key Words
1	How does Photosynthesis happen?	Explain the process of photosynthesis, includ-	Photosynthesis
2	What is aerobic respiration?	Explain and evaluate aerobic respiration, including the word and symbol equation.	Aerobic
3	What is anaerobic respiration?	Explain and evaluate anaerobic respiration, including the word equations for animals	Anaerobic
4	What happens to our body during exercise?	Explain how our body changes during exercise and why these changes are needed for respiration.	Oxidation
5	Review prior learning	Identify areas of strength and areas for improvement.	