

High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 9

Thread 3 – Bioenergetics



	Biology Thread 3	Progress		
Topic	Key ideas	R	A	G
Bioenergetics	I can explain the process photosynthesis, including word and symbol equations.			
	I can identify plant tissues and organs			
	I can describe the function of different plant tissues and organs			
	I can compare Aerobic and Anaerobic Respiration			
	I can describe 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, including word and symbol equation.	Photosynthesis
2	What jobs do the different plant tissues and organs do?	Identify and describe the role of different plant tissues and organs	Adapted
3	What are the 2 types of respiration?	Compare Aerobic and Anaerobic Respiration, including word equations.	Aerobic Anaerobic
4	What happens to our body during exercise?	Explain how our body changes during exercise and why these changes are needed for respiration.	Exercise
5	Review prior learning	Identify areas of strength and areas for improvement.	