

High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 8

Thread 3 – Bioenergetics



	Biology Thread 3	Progress		
Topic	Key ideas	R	A	G
Bioenergetics	I can explain the process of Photosynthesis.			
	I can write the word and symbol equation for photosynthesis			
	I can explain the process respiration, including word equations.			
	I can compare Aerobic and Anaerobic Respiration			
	I can describe the use of anaerobic respiration in fermentation & baking.			

Lesson	Learning Focus	Assessment	Key Words
1	How does Photosynthesis happen?	Explain the process of photosynthesis, including a word equation.	Photosynthesis
2	What is respiration?	Explain the process of respiration, including a word equation.	Respiration
3	What are the 2 types of respiration?	Compare Aerobic and Anaerobic Respiration, including word equations.	Aerobic Anaerobic
4	When is anaerobic respiration useful?	Describe the use of anaerobic respiration in fermentation & baking.	Fermentation
5	Review prior learning	Identify areas of strength and areas for improvement.	