

High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 7

Thread 3 – Bioenergetics



	Biology Thread 3	Progress		
Topic	Key ideas	R	A	G
Bioenergetics	I can compare consumers and producers			
	I can explain the process of photosynthesis including word equations.			
	I can describe how plants use the glucose from photosynthesis			
	I can describe how the reactants and products of photosynthesis enter and exit the leaf.			
	I can describe respiration and link it to photosynthesis.			

Lesson	Learning Focus	Assessment	Key Words
1	What is the purpose of photosynthesis?	Compare how producers and consumers gain glucose, needed for respiration.	Producer
2	How does Photosynthesis happen?	Explain the process of photosynthesis, including a word equation.	Photosynthesis
3	How do plants use the glucose from photosynthesis?	Describe 5 ways in which plants use the glucose.	Glucose
4	How the reactants and products of photosynthesis enter and exit the leaf?	Label a leaf and describe how carbon dioxide and water enter the leaf through specific tissues.	Stomata
5	What is respiration?	Explain the process of respiration, including a word equation.	Respiration
6	Review prior learning	Identify areas of strength and areas for improvement.	