

High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 11

Thread 3 – Bioenergetics



	Biology Thread 3	Progress		
Topic	Key ideas	R	A	G
Bioenergetics	I can list factors which effect the rate of Photosynthesis			
	I can describe factors which effect the rate of Photosynthesis			
	I can Investigate how light intensity affects the rate of Photosynthesis			
	I can explain how plants use glucose			
	I can describe respiration and metabolism.			

Lesson	Learning Focus	Assessment	Key Words
1	What affects the speed of Photosynthesis?	Describe factors which effect the rate of Photosynthesis	Rate
2	How can we investigate the effect of different factors on the speed of Photosynthesis?	Investigate the effect of light intensity on photosynthesis and explain the inverse law.	Intensity
3	How do plants use glucose?	Explain the different ways in which plants use glucose.	Glucose
4	What is Metabolism?	Describe respiration and metabolism, and explain factors which effect it.	Metabolism
5	Review prior learning	Identify areas of strength and areas for improvement.	