

High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 8

Thread 1—Cells and organisation



	Biology Thread 1	Progress		
Topic	Key ideas	R	A	G
Cells and organisation	I can compare different unicellular organisms			
	I can explain how different cells are specialised for function			
	I can explain how the joints bring about movement			
	I can describe the structure of the digestive system and give names and functions of the organs in it			
	I can describe the structure and function of the heart			
	I can describe the structure and function of the lungs			
	I can consider the effects of drugs on the human body			

Lesson	Learning Focus	Assessment	Key Words
1	What are unicellular organisms?	Completion of application task looking at euglena	Unicellular, amoeba, euglena, bacteria, yeast
2	How are cells specialised?	Completion of application questions linking cells to function based on specialisation	Specialised cell, sperm, egg, neurone, palisade, root hair cell
3	How do we move?	Explanations of how joints move	Joint, ligament, cartilage, movement, muscle
4	How do we digest food?	Completion of differentiated tasks looking at the digestive system	Digestion, mouth, oesophagus, stomach, small intestine, large intestine, rectum, anus
5	What is the role of the heart?	Differentiated tasks exploring the heart	Heart, ventricles, atria
6	What is the role of the lungs?	Differentiated tasks exploring the role of the lungs	Lungs, alveoli, diffusion
7	How do drugs affect the body?	Completion of tasks looking at the effects of drugs on the body	Drug, recreational, medicinal, depressant, stimulant