

High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 7

Thread 1—Cells and organisation



	Biology Thread 1	Progress		
Topic	Key ideas	R	A	G
Cells and organisation	I can identify the organs in the human body and give their function			
	I can label the organelles in plant and animal cells, and give differences between the two			
	I can give the function of different cell organelles			
	I can explain what diffusion is			
	I can explain the functions of the skeleton			
	I can describe what is meant by a balanced diet			
	I can explain the components of a balanced diet and why they are needed			
	I can give some consequences of an unbalanced diet			

Lesson	Learning Focus	Assessment	Key Words
1	What are organs?	Identification of the organs in the human body, and completion of differentiated application task	Organs , brain, heart, lungs, liver, stomach, intestines
2	What's in a cell?	Completion of differentiated activities and comparison of plant and animal cells	Cell , nucleus, cell membrane, cytoplasm, cell wall, vacuole, chloroplasts
3	What is diffusion?	Tasks and exam questions looking at real life context of diffusion	Cell membrane , diffusion, concentration
4	Why is the skeleton so important?	Completion of differentiated tasks looking at the skeleton, and extended writing exam question	Skeleton, bones, protection, movement, support, blood
5	What is a balanced diet?	Design of a balanced diet, and explanation of why this is balanced	Diet , carbohydrates, protein, fat, water, vitamins, minerals, fibre
6	What are the consequences of an unbalanced diet?	Application task diagnosing deficiencies based on symptoms	Balanced, unbalanced, obesity, diabetes