

Previous Knowledge	KS2 students may have looked at 'what all living things do-life processes				
Lesson Number	Title	Lesson Objectives	Content	Key words	Assessment/Homework
1	Life Processes	<ul style="list-style-type: none"> What do all living things do? 	<ul style="list-style-type: none"> Recall and describe the life processes Explain the difference between organisms and non-living things 	<ul style="list-style-type: none"> Movement Reproduction Sensitivity Growth Respiration Excretion Nutrition Organism 	
2	Organs and Organ systems	<ul style="list-style-type: none"> What do Organs do? 	<ul style="list-style-type: none"> Identify and locate important plant and animal organs Describe their function Consider organ systems in humans Limited to: circulatory system; Digestive system; Urinary system; Nervous system, respiratory system Organs systems in plants: water transport system: root hair tissue, xylem tissue 	<ul style="list-style-type: none"> Leaf Stem Root Organs 	
3	Tissues	<ul style="list-style-type: none"> Why are tissues important? 	<ul style="list-style-type: none"> Identify and recall tissues in plants and humans Describe their functions 	<ul style="list-style-type: none"> Muscle tissue Fat tissue Root hair xylem 	Quick Check Quiz

4	Cells	<ul style="list-style-type: none"> • How are animal and plant cells similar and different? 	<ul style="list-style-type: none"> • Identify the main parts of animal cells and plant cells • Describe functions 	<ul style="list-style-type: none"> • Nucleus • Cell membrane • Cytoplasm • Chloroplasts • Vacuole 	
5 RP	Microscopes	<ul style="list-style-type: none"> • How is a light microscope used to examine a specimen? 	<ul style="list-style-type: none"> • Describe how to prepare a microscope slide • Differentiate between magnification and resolution • Calculate magnification of images/specimen 	<ul style="list-style-type: none"> • Resolution • Magnification 	
Revision and Assessment					
Where we will use these ideas again		KS4 Bio Chapter 1-Cells: 4.1.1.1 4.1.1.2, 4.1.1.3; 4.1.1.4 KS4: Bio 4.2.1, Bio (Unit 4) 4.2.2.1, 4.2.2.2 (Unit 5) 4.5.2.1 KS4: Bio 4.1.1.3, 4.2.1			