

Year 7: Living World- Cells

	Check	Date
Revise assumed knowledge: ST3-10LW describes how structural features and other adaptations of living things help them to survive in their environment ST3-11LW describes some physical conditions of the environment and how these affect the growth and survival of living things	<input type="checkbox"/>	
LW2 Cells are the basic units of living things and have specialised structures and functions. (ACSSU149)		
LOOKING AT CELLS		
<i>4LW2a. identify that living things are made of cells</i>	<input type="checkbox"/>	
Define the term cell	<input type="checkbox"/>	
Outline the cell theory	<input type="checkbox"/>	
LITERACY SET 1: COSMOS ARTICLE	<input type="checkbox"/>	
Assessment: Oxford online test- Looking at Cells Students to achieve 100% in Support and Consolidate OR Consolidate and Extend	<input type="checkbox"/>	
CELL STRUCTURE AND FUNCTION		
<i>4LW2b. identify structures within cells, including the nucleus, cytoplasm, cell membrane, cell wall and chloroplast, and describe their functions</i>	<input type="checkbox"/>	
Define the terms nucleus, cytoplasm, cell membrane, cell wall, chloroplasts, magnification and resolution	<input type="checkbox"/>	
Identify the key structures of animal and plant cells	<input type="checkbox"/>	
Distinguish between animal and plant cells	<input type="checkbox"/>	
Describe the function of the nucleus, cytoplasm, cell membrane, cell wall and chloroplast	<input type="checkbox"/>	
Identify the key components of a light microscope and outline their function	<input type="checkbox"/>	
CODE: 7LW1 First-Hand Investigation: Using a microscope. Prepare a wet mount slide to examine letters of a newspaper	<input type="checkbox"/>	
CODE: 7LW2 First-Hand Investigation: Observing and drawing cells	<input type="checkbox"/>	
CODE: 7LW3 First-Hand Investigation: Using a microscope to observe, compare and draw animal and plant cells	<input type="checkbox"/>	
<i>4LW2c. outline the role of respiration in providing energy for the activities of cells</i>	<input type="checkbox"/>	
Define the term respiration	<input type="checkbox"/>	
Identify the word equation for respiration	<input type="checkbox"/>	
Identify mitochondria and describe their role in cellular respiration	<input type="checkbox"/>	
Outline the uses of the products of respiration (MRS GREN)	<input type="checkbox"/>	

4LW2d. Identify that new cells are produced by cell division	<input type="checkbox"/>	
Define the term mitosis	<input type="checkbox"/>	
Outline key features of mitosis as a form of cellular division	<input type="checkbox"/>	
LITERACY SET 2: MIXED ACTIVITIES	<input type="checkbox"/>	
Assessment: Oxford online test- Cell structure and function Students to achieve 100% in Support and Consolidate OR Consolidate and Extend	<input type="checkbox"/>	
DIFFERENT TYPES OF CELLS		
4LW2e. distinguish between unicellular and multicellular organisms	<input type="checkbox"/>	
Define the terms unicellular and multicellular	<input type="checkbox"/>	
Distinguish between unicellular and multicellular organisms	<input type="checkbox"/>	
Identify a range of unicellular and multicellular organisms	<input type="checkbox"/>	
CODE: 7LW4 First-Hand Investigation: Hay infusion. Prepare a hay infusion, leave for a week and observe protists under a microscope	<input type="checkbox"/>	
4LW2f. identify that different types of cells make up the tissues, organs and organ systems of multicellular organisms	<input type="checkbox"/>	
Define the terms cells, tissue, organ, organ system and multicellular organism	<input type="checkbox"/>	
Identify the levels of cellular structure in multicellular organisms, for example skin (epidermis, dermis, subcutaneous fat layer and glands)	<input type="checkbox"/>	
NUMERACY AND SKILLS SET	<input type="checkbox"/>	
Assessment: Oxford online test- Different types of cells Students to achieve 100% in Support and Consolidate OR Consolidate and Extend	<input type="checkbox"/>	
Assessment: Cells Chapter Test	<input type="checkbox"/>	
Comments and Suggested improvements		
<p>Name: _____ Signature: _____ Date: _____</p>		