

LIFE SCIENCES - GRADE 10 2024

TOPIC	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS
PHASE 1 (17 January 2024 – 20 March 2024)		
How Science works	Scientific skills	
Biosphere to Ecosystems	Biosphere, Biomes, Environment and Ecosystems	
	Abiotic and biotic factors	
	Energy flow through ecosystems and ecotourism	
The Chemistry of Life	Molecules for life – inorganic compounds	
	Organic compounds	
	Vitamins	
PHASE 2 (3 April 2024 – 14 June 2024)		
Cells: The Basic Units of Life	Microscope and Molecular make-up of cells	
	Cell structure and function	
	Cell structure and function continued	
	Cell differentiation and specialization	
Cell Division	Mitosis	
Plant Tissues	Simple tissues, epidermal tissues, vascular tissue	
Animal Tissues	Epithelia, connective, muscle, nervous.	
	Application of indigenous knowledge systems and biotechnology	
Organs	Leaf structure	
Support and Transport in Plants	Support and transport in plants - Anatomy of dicotyledonous plants	
PHASE 3 (9 July 2024 – 8 November 2024)		
Support and Transport in Plants	Support and transport in plants – Movement of water through the plant and transpiration	
Support systems in animals	Skeletons – The human skeleton and its functions.	
	Joints, voluntary muscles, diseases of the skeleton	
Transport in Mammals	The circulatory system	
	Lymph	
Diversity, Change and Continuity	Biodiversity and classification	
	History of Life on Earth	