

LIFE SCIENCES - GRADE 10 2025

TOPIC	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS	
PHASE 1 (15 January 2025 – 28 March 2025)			
How Science works	Scientific skills	Task 1: Project– Environmental studies 12 – 15 Feb Task 2: Practical 2 - Food tests 4 – 8 March Task 3: March Controlled Test 26 Feb – 11 March	
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 (8 April 2025 – 27 June 2025)			
Cells: The Basic Units of Life	Microscope and Molecular make-up of cells		Task 4: Practical 3 – Microscope 22 – 26 April Task 5: June exam 9 – 27 June
	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 (22 July 2025 – 14 November 2025)			
Support and Transport in Plants	Support and transport in plants – Movement of water through the plant and transpiration	Task 6: Sept Controlled Test – Support and transport in plants, support in animals 3 – 16 Sept Task 7: Final Exam 27 Oct – 14 Nov	
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		