

LIFE SCIENCES - GRADE 12 2025

TOPIC	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS
PHASE 1 (11 November 2024 – 7 March 2025)		
Reproduction	Diversity of reproductive strategies	Task 1: Practical 1 – Nervous system 27 Jan Task 2: Assignment – Nervous system Dec 2024 Task 3: March Controlled Test 26 Feb – 11 March
	Human reproduction	
Responding to the environment - Humans	Parts of the nervous system and reflexes	
	The eye	
	The ear	
Endocrine system	Location of endocrine glands	
	Role of these glands in the body	
Homeostasis	Maintaining balance	
DNA: The code of life	Nucleic acids: Location, discovery and structure of DNA and RNA	
	DNA replication, DNA profiling and protein synthesis	
PHASE 2 (10 March 2025 – 13 June 2025)		
Meiosis	Review mitosis and introduce meiosis. Process of meiosis	Task 4: Practical 2 – Meiosis 22 April Task 5: June exam 26 May – 13 June
Human Evolution	Evidence for human evolution	
	Out of Africa hypothesis	
	Importance of the Cradle of Humankind	
Evolution by natural selection	Origin of ideas about evolution	
	Evolution by natural selection – Darwinism	
	Speciation	
	Mechanisms for reproductive isolation	
Responding to the environment - plants	Evolution in present times	
Responding to the environment - plants	Plant hormones	
PHASE 3 (17 June 2025 – 17 October 2025)		
Genetics and inheritance	History of genetics	Task 6: Trials Exam 1 – 19 Sept
	Monohybrid and dihybrid crosses	
	Mutations, sex-linked disorders	