

LIFE SCIENCES - GRADE 11 2017

TOPIC	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS
PHASE 1 (7 November 2016 – 31 March 2017)		
Biodiversity and classification of Micro-organisms	Viruses and bacteria	☞ Task 1 Assignment: Micro-organisms Dec 2016 ☞ Task 2 Practical task: Drawing Dec 2016 ☞ Task 3 Test: Biodiversity in micro-organisms and plants Dec 2016 ☞ Task 4 Controlled Test 22 – 31 March
	Protists	
	Fungi	
Biodiversity of Plants	Mosses, ferns,	
	Gymnosperms and angiosperms	
	Asexual and sexual reproduction in plants	
	Flowers as reproductive structures	
Biodiversity of Animals	Key features of body plans and their relationship with modes of living.	
	Porifera, Cnidaria, Platyhelminthes, Annelida, Arthropoda, Chordata	
PHASE 2 (18 April 2017 – 30 June 2017)		
Energy Transformations to Sustain Life	Photosynthesis	☞ Task 5 Practical task: Photosynthesis 18 – 21 April
	Respiration	
Animal Nutrition	Mechanical and chemical digestion	☞ Task 6 Test: Animal nutrition and gaseous exchange 29 May – 2 June ☞ Task 7 June Exams 19 – 30 June
	Absorption	
	Assimilation	
	Homeostatic control	
Gaseous exchange	Human gaseous exchange	
PHASE 3 (24 July 2017 – 10 November 2017)		
Gaseous exchange	Human gaseous exchange	☞ Task 8 Practical task: Gaseous exchange 31 Aug – 4 Sept
Excretion	The Human excretory system	
Population Ecology	Population size	☞ Task 9 Controlled Test: Population ecology and human impact on the environment 9 – 13 Sept ☞ Task 10 October Exam 30 Oct – 10 Nov
	Interactions in the environment	
	Social organisation, succession and human populations	
Human impact on the Environment	The atmosphere and climate change	
	Water availability and quality	
	Food security	
	Loss of Biodiversity	
	Solid waste disposal	