

LIFE SCIENCES – GRADE 11 – 2013

TOPIC	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS
PHASE 1 (November 2012 – 28 March 2013)		
Biodiversity and classification of micro – organisms	Basic structure of viruses , bacteria, protista and fungi Symbiotic relationships of bacteria Effect and management of one disease of each group Immunity ,Effect of drugs, useful micro-organisms and traditional technology Bryophytes, Pteridophytes Gymnosperm sand Angiosperms Asexual and sexual reproductive reproduction Flowers as reproductive structures	Practical task Date: 18/1
Biodiversity of plants	Significance of seeds Six Phyla Porifera, Cnidaria,Plathyelmminthes, Annelida, Arthropoda and Chordata	Class test Date: 18/3-21/3
Biodiversity of animals	Six Phyla Porifera, Cnidaria,Plathyelmminthes, Annelida, Arthropoda and Chordata Revision Revision/Controlled tests Controlled tests	Project Date: Set 28/1 Due in 22/2
PHASE 2 (8 April 2013 – 21 June 2013)		
Energy transformation to sustain life	Photosynthesis – process, importance Effects of variable amounts of light, carbon dioxide and temperature on the rate of photosynthesis Improving crop yields : carbon dioxide enrichment, optimum light and optimum temperature and role of ATP and Practical work	Practical task Date: 19/4 Class test Date: 3/5
Animal nutrition	Practical work on Photosynthesis Dentition of herbivores, carnivores and omnivores and human nutrition	Midyear exam Date: 10/6-21/6
Energy transformation to sustain life	Human nutrition and homeostatic control Balance diet, mal nutrition and analysis of information and Tooth decay, effect of alcohol and drug abuse Cellular respiration and anaerobic respiration Practical's on cellular respiration	
Gaseous exchange	Requirements of efficient Gas exchange organs in different environments and how it is met Examination Examination	
PHASE 3 (15 July 2013 – 1 November 2013)		
Gaseous exchange	Human gaseous exchange Practical work on gaseous exchange Excretion-role of the organs	Practical task Date: 26/7
Excretion	Urinary system structure , function and adaptations Homeostatic control and practical work Population size	Class test Date: 13/9

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Wolfgang Guggemos



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