

2021 Annual Teaching Plan – Term 1: LIFE SCIENCES: Grade 11

Term 1 45 days	Week 1 27 - 29 January (3 days)	Week 2 01 - 05 February (5 days)	Week 3 08 - 12 February (5 days)	Week 4 15 - 19 February (5 days)	Week 5 22 - 26 February (5 days)	Week 6 01 - 05 March (5 days)	Week 7 08 - 12 March (5 days)	Week 8 15 - 19 March (5 days)	Week 9 22 - 26 March (4 days)	Week 10 29 - 31 March (3 days)	
CAPS Topic	(CAPS pg. 38) Biodiversity and classification of microorganisms			(CAPS pg. 40) Biodiversity of plants			(CAPS pg. 41) Biodiversity of animals			Consolidation and revision	
Core Concepts, Skills and Values	Basic structure of viruses, bacteria, Protists and fungi	Roles of viruses, bacteria, Protists and fungi in maintaining balance in the environment -	Symbolic relationships of bacteria, effect and management of OMI disease from each of the 4 groups Immunity, effect of drugs, use of microorganisms and traditional technology	Bryophytes, Pteridophytes, Gymnosperms and Angiosperms (Comparative table of: Simple diagram for identification, presence of vascular tissue, true leaves and roots, seeds or spores and fruit, dependence of water for reproduction)	Asexual and sexual reproduction – advantages and disadvantages	Flowers as reproductive structures	The concept of a phylum, six phyla: Porifera, Cnidaria, Platyhelminthes, Annelida, Arthropoda and Chordata (Comparative table of: Simple diagram for identification, four key features i.e. symmetry and cephalisation; the number of tissue layers developed from embryos; the number of openings in the gut, coelom and blood systems in the six selected phyla)	Relationship between body plans and modes of living for each of the 6 phyla	Role of invertebrates in agriculture and ecosystems		
Requisite Pre-Knowledge	Revise the topic 'microorganisms' from Natural Sciences Grades 8			Revise anatomy of plants from Grade 10			Revise animal tissues from Grade 10				Watch Telematika video on scientific method at: https://www.youtube.com/watch?v=3G4L3C4L4
Resources (other than textbook) to enhance learning	Wall charts, practical apparatus e.g. agar, petri dishes and hand lenses			Plant specimens, micrographs, wall charts, microscope and prepared slides			Reference books, photographs, DVD's, posters of phyla				
Informal Assessment	Practical work: prevalence of bacteria/fungi by growing cultures on agar or bread mould on bread, revision questions and tests			Questions on phylogenetic tree showing evolutionary history of 4 plant groups. Practical work: Observe and draw relevant macroscopic parts to provide examples of each of the following divisions: - bryophytes: moss plant - pteridophytes: rhizome, frond with sori - gymnosperms: needles, cones and seeds; and - angiosperms: flower, fruit and seeds. - Dissect and observe of wind, insect and bird pollinated flowers - Informal Tests			Refer to a comparative table of the four key features in the 6 selected phyla Revision questions and tests				
SBA (Formal Assessment)	TASK 1: PRACTICAL TASK (minimum 30 marks) - SBA Weighting: 10%						TASK 2: FORMAL TEST (minimum 50 marks) - SBA Weighting: 30%				

Annual Grade 11 Exemplar Lifescience 2014

Marcel A. Müller



Annual Grade 11 Exemplar Lifescience 2014:

Decoding **Annual Grade 11 Exemplar Lifescience 2014**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Annual Grade 11 Exemplar Lifescience 2014**," a mesmerizing literary creation penned by a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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