GRADE 10 BIOLOGY RECORDS OF WORK 2027

Terms 1, 2 and 3 | Ministry of Education calendar 2027 (Senior School) | 6 lessons a week

Teacher's name _____ School _____

Class / stream _____ TSC number _____

TERM 1

Wk	Dates	Strand / sub-strand	Work covered	Reflection / remarks	Sign
1	4 Jan - 8 Jan (6 lessons)	**1.0 Cell Biology and Biodiversity** - 1.1 Introduction to Biology	1. What is Biology? Living things and their characteristics 2. Applications of Biology in everyday life 3. Fields of study in Biology I: botany, zoology, ecology, taxonomy, anatomy and physiology 4. Fields of study in Biology II: biochemistry, biotechnology, genetics, microbiology, parasitology and entomology 5. Careers related to Biology: making a career wheel 6. Choosing a career and appreciating Biology		
2	11 Jan - 15 Jan (6 lessons)	**1.0 Cell Biology and Biodiversity** - 1.2 Scientific investigations in Biology	1. Why and how we collect specimens: rules for the field 2. Apparatus for collecting small animals 3. More apparatus: light trap, Tullgren funnel and bait trap 4. Apparatus and materials for collecting plants 5. Improvising collecting apparatus from local materials 6. Collecting small animals in the field		
3	18 Jan - 22 Jan (6 lessons)	**1.0 Cell Biology and Biodiversity** - 1.2 Scientific investigations in Biology	1. Collecting plant specimens 2. Processing plant specimens: pressing and drying 3. Mounting, labelling and storing a herbarium 4. Processing and preserving animal specimens 5. Preservatives: ethanol, formalin and others 6. Project: planning and budgeting a specimen collection		
4	25 Jan - 29 Jan (6 lessons)	**1.0 Cell Biology and Biodiversity** - 1.2 Scientific investigations in Biology - 1.3 Cell structure and Specialization	1. Project: carrying out the collection and recording 2. Project: presenting results and why specimens matter 3. The cell as the basic unit of life 4. The light microscope: parts, functions and care 5. Using the microscope and calculating magnification 6. Magnification and resolution: light and electron microscopes compared		