**PRESIDENT’S OFFICE, REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT**

**SCHEME OF WORK**

**Name of teacher: Name of School:**

**Year: 2024 Term: 1 & 2**

**Class/Stream: FORM ONE Subject: BIOLOGY**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MAIN COMPETENCE** | **SPECIFIC COMPETENCE** | **TEACHING ACTIVITIES** | **MONTH** | **WEEK** | **PERIOD** | **REFERENCE** | | **TEACHING/LEARNING TOOLS** | **ASSESSMENT TOOLS** | **REMARKS** |
| **ORIENTATION COURSE(2ND WEEK OF JANUARY TO 3RD WEEK OF FEBRUARY)** | | | | | | | | | | |
| **1. INTRODUCTION TO BIOLOGY** | **1.1 Basic concepts and Terminologies of Biology** | Prepare students to make clarification on basic biological concepts and terminologies.  To prepare students to lead students to brainstorm using visualization in participatory programcards (VIPP) | **FEBRUARY** | 4TH | 09 | Tanzania Institute of Education (2021), Biology for Secondary Schools, Book,one,TIE, DSM. | Terms extracted from various sources  - charts  - pictures | | Exercise  Homework |  |
| **1.2 Scientific process in Biology** | To assign simple activities that will prepare students in using various sense organs to observe different conditions in the surroundings.  To prepare students to carry out simple biological experiments. | **MARCH** | 1ST  TO  3RD | 06 | Variety of organisms  perfume  coloured  tapes  Laboratory tools  list of biology laboratory rules | | Exercise  Homework |  |
| **1.3 The Biology laboratory** | To prepare students to describe the biology laboratory and laboratory rules.  To prepare students to identify and name common apparatus and equipments of biology laboratory | 03 | Test |  |
| **MID-TERM ASSESSMENT (4TH WEEK OF MARCH)**  **MID-TERM BREAK (28/03/2024 - 08/04/2024)** | | | | | | | | | | |
| **2.0 SAFETY IN OUR ENVIRONMENT** | **2.1 First Aid** | To prepare a class discussion on the meaning, importance of first aid.  To provide procedures of giving first aid to various victims. | **APRIL** | 2ND | 06 |  | Publications on first aid  first aid kit  kit and their uses | | Exercise  Test |  |
| **2.2 Safety at home and school** | To prepare a class discussion on common accidents at home and school, and ways of preventing them | 3RD | 06 |
| **2.3 Waste disposal** | To use students responses to make clarification and conclusions | 4TH | 06 | Samples of waste  pictures  diagrams | | Quiz |  |
| **3.0 HEALTH AND IMMUNITY** | **3.1 The concept of health and immunity** | To organize students responses and use them to prepare a discussion on the definitions of health and immunity and their types and the factors affecting body immunity | **MAY**  **AUGUST** | 1ST | 03 | Tanzania Institute of Education (2021), Biology for Secondary Schools, Book one, TIE, DSM. | Charts  pictures  text extract | | Exercise |  |
| **3.2 personal hygiene and good manners** | To prepare a class discussion on the meaning of personal hygiene and good manners , principles of personal hygiene and good manners and requirements of personal hygiene and good manners and make conclusions | 2ND | 03 | Pictures  charts  tooth brush  tooth paste  soap  towel | | Homework |  |
| 3RD | 03 |
| To make clarification and conclusions on healthy and life styles by focusing on drugs, diet, sexual behaviour, soaps and cosmetics | Pictures  charts  tooth brush | | Test |  |
| **TERMINAL ASSESSMENT (4TH WEEK OF MAY)**  **FIRST TERM BREAK (31/05/2024 - 01/07/2024)**  **UMISSETA SPORTS COMPETITIONS (16/06/2024 – 29/06/2024)** | | | | | | | | | | |
|  | **3.3 Infections and Diseases** | To prepare plenary discussion on the meaning of infection and disease and their differences and tabulate the students responses | **JULY** | 1ST | 03 |  | Charts  pictures  text extract | |  |  |
| To prepare students in investigating the common infections and diseases in their community and make conclusions on appropriate measures to be taken to control the spread of common epidemic, pandemic and endemic diseases | Charts  pictures  text extract | | Classwork |  |
| **3.4 Human Immune Deficiency Virus(HIV), Acquired Immune Deficiency Syndrome**  **(AIDs)** | To prepare students in groups to discuss the meaning of HIV/AIDs, STIs, and STDs. And make clarification on the students’ responses | 2ND | 03 | Pamphlets  chart/text on HIV/AIDS, STI and STDs.  Pamphlets | | Assignment |  |
| By using questions and answers to prepare students to outline the preventive and control measures of HIV/AIDs, STIs, and STDs. |
| To prepare students to discuss in groups the ways of avoiding risky situations, behaviour and practices. | 3RD | 03 |  | Pamphlets | | Exercise |  |
| To prepare students to brainstorm on the importance of curative health care for STIs and opportunistic diseases and the importance of early medical testing and treatment | chart/text on HIV/AIDS , STI and STDs. | | Homework |  |
|  | **3.5 Care and Support of people living with HIV/AIDS (PLWHA)** | To prepare students through questions and answers to explain the importance of providing care and support to PLWHA in the family, community and school and guide them in making any necessary care and support to be provided to PLWHA. | 4TH | 03 | Tanzania Institute of Education (2021), Biology for Secondary Schools, Book one, TIE, DSM. | Publications on home based care for PLWHA  pictures  manuals | | Quiz |  |
| To provide case studies on the various incidences of stigma and discrimination and their effects to an individual, family and society | Pictures  manuals | |
| **4.0 CELL STRUCTURE AND ORGANISATION** | **4.1 The concept of Cell** | To prepare students to discuss in groups the meaning of cell  To prepare a class discussion on the characteristics of the cell | **AUGUST** | 1ST | 03 | Charts  models  diagrams  Charts | | Classwork |  |
| **4.2 Types of cells** | To design practical work for students to observe different types of cells | 2ND | 03 | Microscope  stains  scalpels  slides | | Exercise |  |
| **4.3 Cell Differentiation** | To display models/charts/specimen of plants and animal tissues and organs | 3RD | 03 | Microscope  scalpels  slides | | Homework |
| To prepare a class discussion on the importance of cell differentiation and formation of tissues, organs and body systems and the differences between them | Models  pictures | | Test |  |
| **MID-TERM ASSESSMENT (4TH WEEK OF AUGUST)**  **MID-TERM BREAK (30/08/2024 - 16/09/2024)** | | | | | | | | | | |
| **5.0 CLASSIFICATION OF LIVING THINGS** | **5.1 Concept of classification** | To organize study visit to places where items are systematically grouped and design practical activity for students to group a variety of living organisms according to their similarities and differences | **SEPTEMBER** | 3RD | 06 | Tanzania Institute of Education (2021), Biology for Secondary Schools, Book one, TIE, DSM. | Pharmacy  market  nearby shop  library  pictures  variety of living things | | Quiz |  |
| **5.2 Classification systems** | To prepare students to brainstorm on classification systems and merits and demerits of each system | 4TH | Variety of living things  charts  pictures | | Classwork |  |
| **5.0 CLASSIFICATION OF LIVING THINGS** | **5.3 Major groups of living things** | To prepare a class discussion on the major groups of living things and their ranks | **OCTOBER** | 1ST | 03 | Variety of living things  charts  pictures | | Assignment |  |
| **5.3.1 Virus** | To prepare a class discussion on the general and distinctive features of viruses and its structure | 2ND | 03 | Charts on virus  microgram of virus  pictures | |
| **5.3.2 Kingdom Monera** | To prepare a class discussion on the general and distinctive features of bacteria and guide students to draw a well labeled diagram of bacteria | 3RD | 06 | Charts  pictures  models | | Exercise |  |
| To prepare students to brainstorm on the prons  and cons of monera and the characteristics of pathogenic and non-pathogenic bacteria | 4TH | Charts | | Homework |  |
| **NOVEMBER** | 1ST  TO  2ND | 06 | pictures  models | |  |  |
| **5.3.3 Kingdom Protoctista** | To prepare a class discussion on the general and distinctive features of Protoctista and their phyla and guide students to draw a well labeled diagram of Amoeba, Euglena and Paramecium and Plasmodium | 3RD  TO  4TH | 06 | Charts  pictures  mode  yeast | | Test |  |
| To prepare students to brainstorm on the prons and cons of protoctista | Charts  pictures  mode | | Quiz |  |
| **ANNUAL ASSESSMENT (1ST WEEK OF DECEMBER)**  **END OF YEAR BREAK (06/12/2024)** | | | | | | | | | | |