**MINSTRY OF GENERAL EDUCATION**

**SOUTHERN PROVINCE**

SCHEMES OF WORK

**SUBJECT**: INTEGRATED SCIENCE

**GRADE**: 6 **TERM**: ONE **YEAR**: 2018

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WEEK** | **TOPIC/CONTENT** | **GENERAL OUTCOMES** | **METHODS** | **T/L RESOURCES** | **REFERENCE** |
| 1 | **Plants and Animals**   * Photosynthesis | * Develop investigative skills about plants and animals * Demonstrate an understanding of the basic facts about plants and animals | * Discussing * Discovering * Demonstration * Group work * Field trip | * Charts showing a plant * Actual plants * Leaves | * Syllabus p.42 * Longman Integrated science grade 6 pupils’ books. |
| 2 | * Photosynthesis | * Develop investigative skills about plants and animals * Demonstrate an understanding of the basic facts about plants and animals | * Discussing * Discovering * Demonstration * Group work * Field trip * Explanation | * Charts showing a plant * Actual plants * Leaves | * Syllabus p.42 * Longman Integrated science grade 6 pupils’ books. |
| 3 | * Care for Domestic animals | * Develop investigative skills about plants and animals * Demonstrate an understanding of the basic facts about plants and animals | * Discussing * Discovering * Demonstration * Group work * Field trip | * Charts showing different types of domestic animals * Magazines * Newspapers | * Syllabus p.42 * Longman Integrated science grade 6 pupils’ books. |
| 4 | * Care for Domestic animals | * Demonstrate an understanding of the basic facts about the human body * Develop investigative skills | * Discussing * Discovering * Demonstration * Group work * Field trip | * Charts showing different types of domestic animals * Magazines * Newspapers | * Syllabus p.42 * Longman Integrated science grade 6 pupils’ books. |
| 5 | * Vertebrate animals | * Demonstrate an understanding of the basic facts about the human body * Develop investigative skills | * Discussing * Discovering * Demonstration * Group work * Field trip | * Chart showing vertebrate animals * posters | * Syllabus p.43 * Longman Integrated science grade 6 pupils’ books. |
| 6 | * Vertebrate animals * Assessment: end of topic | * Demonstrate an understanding of the basic facts about the human body * Develop investigative skills | * Discussing * Discovering * Demonstration * Group work | * Chart showing vertebrate animals * posters | * Syllabus p.43 * Longman Integrated science grade 6 pupils’ books. |
| 7 | **The human body**   * The Blood * Mid- term test and revision  |  |  | | --- | --- | |  |  | | * Demonstrate an understanding of the basic facts about the human body * Develop investigative skills | * Discussing * Discovering * Demonstration * Group work * Field trip | * Chart composition of blood * Specimen of blood | * Syllabus p.39 * Longman Integrated science grade 6 pupils’ books. |
| 8 | * The Blood | * Demonstrate an understanding of the basic facts about the human body * Develop investigative skills | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing double circulation of blood in human body | * Syllabus p.39 * Longman Integrated science grade 6 pupils’ books. |
| 9 | * Features of pregnancy | * Demonstrate an understanding of the basic facts about the human body * Develop investigative skills | * Discussing * Discovering * Demonstration * Group work * Explanation * Field trip | * Chart showing a pregnant woman * Visiting nearest antenatal | * Syllabus p.39 * Longman Integrated science grade 6 pupils’ books. |
| 10 | * Features of pregnancy | * Demonstrate an understanding of the basic facts about the human body * Develop investigative skills | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing a pregnant woman | * Syllabus p.40   Longman Integrated science grade 6 pupils’ books. |
| 11 | * Health risks | * Demonstrate an understanding of the basic facts about the human body * Develop investigative skills | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing a different diseases * Drugs * Chart showing sexually transmitted diseases | * Syllabus p.39 * Longman Integrated science grade 6 pupils’ books. |
| 12 | * Health risks * Assessment: End of topic and revision | * Demonstrate an understanding of the basic facts about the human body * Develop investigative skills | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing a different diseases * Drugs * Chart showing sexually transmitted diseases | * Syllabus p.39 * Longman Integrated science grade 6 pupils’ books. |
| 13 | * End of term Test * Testing * Marking * Compiling | * Material covered in term one | * Question set at school level | * Schemes of work * Pupils books * Past papers | * Syllabus |

**NB: FOR MIDTERM , TESTTWO SUBJECTS PER DAY AND TEACH THE OTHER SUBJECTS THAT APPEAR ON THE TIME TABLE THAT DAY.**

**MINSTRY OF GENERAL EDUCATION**

**SOUTHERN PROVINCE**

SCHEMES OF WORK

**SUBJECT**: INTEGRATED SCIENCE

**GRADE**: 6 **TERM**: TWO **YEAR**: 2018

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WEEK** | **TOPIC/CONTENT** | **GENERAL OUTCOMES** | **METHODS** | **T/L RESOURCES** | **REFERENCE** |
| 1 | |  |  | | --- | --- | | **Heath** |  | | * Food and nutrients |  | | * Recognize the importance of personal health * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing different type food groups * Fish * Maize * Carrots | * Syllabus p.40 * Longman Integrated science grade 6 pupils’ books. |
| 2 | * Food and nutrients | * Recognize the importance of personal health * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Samples of food packages * Tinned fish * Tinned beef * Sugar | * Syllabus p.40 * Longman Integrated science grade 6 pupils’ books. |
| 3 | * Food and nutrients | * Recognize the importance of personal health * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Children’s clinic card * Chart showing common dietary diseases | * Syllabus p.40 * Longman Integrated science grade 6 pupils’ books. |
| 4 | * Effects of harmful Substance | * Recognize the importance of personal health * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing different substances * Marijuana * Cocaine | * Syllabus p.40 * Longman Integrated science grade 6 pupils’ books. |
| 5 | * Effects of harmful Substance | * Recognize the importance of personal health * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing different substances * Marijuana * Cocaine | * Syllabus p.40 * Longman Integrated science grade 6 pupils’ books. |
| 6 | * Effects of harmful Substance | * Recognize the importance of personal health * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing different recreation | * Syllabus p.40 * Longman Integrated science grade 6 pupils’ books. |
| 7 | * Living with HIV and AIDS * Assessment: Mid term test and revision | * Recognize the importance of personal health * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing a person living with HIV and AIDS * Posters * Magazines | * Syllabus p.40 * Longman Integrated science grade 6 pupils’ books. |
| 8 | * Living with HIV and AIDS | * Recognize the importance of personal health * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing a person living with HIV and AIDS * Posters * Magazines | * Syllabus p.40 * Longman Integrated science grade 6 pupils’ books. |
| 9 | * Living with HIV and AIDS | * Recognize the importance of personal health * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing a thin person suffering from HIV and AIDS * Posters * Magazines | * Syllabus p.40 * Longman Integrated science grade 6 pupils’ books. |
| 10 | |  | | --- | | **The environment**   * The water cycle | | * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment * Develop investigative skills about the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing water cycle |  |
| 11 | * The water cycle | * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment * Develop investigative skills about the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing the process of evaporation and condensation * Beaker * Bunsen burner | * Syllabus p.41 * Longman Integrated science grade 6 pupils’ books. |
| 12 | * The water cycle * Assessment: End of topic | * Develop investigative skills on personal health Develop knowledge, values and positive attitudes for the immediate environment * Develop investigative skills about the immediate environment | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing a flooded maize field * Chart showing buildings destroyed by floods | * Syllabus p.41 * Longman Integrated science grade 6 pupils’ books. |
| 13 | * Testing * Marking * compiling | * Material covered in term two | * Question set at school level | * Schemes of work * Pupils books   papers | * Syllabus |

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**MINSTRY OF GENERAL EDUCATION**

**SOUTHERN PROVINCE**

SCHEMES OF WORK

**SUBJECT**: INTEGRATED SCIENCE

**GRADE**: 6 **TERM**: THREE **YEAR**: 2018

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WEEK** | **TOPIC/CONTENT** | **GENERAL OUTCOMES** | **METHODS** | **T/L RESOURCES** | **REFERENCE** |
| 1 | |  | | --- | | **Materials and energy**   * Nature of Air | | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing composition of air * Balloons | * Syllabus p.44 * Longman Integrated science grade 6 pupils’ books. |
| 2 | * Nature of Air | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing composition of air * Balloons | * Syllabus p.44 * Longman Integrated science grade 6 pupils’ books. |
| 3 | * Nature of Air | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing composition of air * Balloons | * Syllabus p.44 * Longman Integrated science grade 6 pupils’ books. |
| 4 | * Sound | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing how sound travels in different media * Swimming pool * Rivers | * Syllabus p.44 * Longman Integrated science grade 6 pupils’ books. |
| 5 | * Sound | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Bottles * Drums * Guitar * A chart showing instruments that produce sound | * Syllabus p.44 * Longman Integrated science grade 6 pupils’ books. |
| 6 | * Sound | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Bottles * Drums * Guitar * A chart showing instruments that produce sound | * Syllabus p.44 * Longman Integrated science grade 6 pupils’ books. |
| 7 | * Pressure * Assessment: Mid-term test and revision | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Water tanks * Ball * Pump | * Syllabus p.45 * Longman Integrated science grade 6 pupils’ books. |
| 8 | |  | | --- | |  | | * Pressure | |  | | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing air pressure * Balloons * Tubes | * Syllabus p.45 * Longman Integrated science grade 6 pupils’ books. |
| 9 | * Pressure * Assessment: End of topic | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Bicycle tube * Pump * Chart * Actual bicycle | * Syllabus p.45 * Longman Integrated science grade 6 pupils’ books. |
| 10 | |  | | --- | |  |   **Materials and energy**   * communication | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing types of communication * Radio * Phone * letters | * Syllabus p 45 * Longman Integrated science grade 6 pupils’ books. |
| 11 | * Communication | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing types of communication * Radio * Phone * letters | * Syllabus p 45 * Longman Integrated science grade 6 pupils’ books. |
| 12 | * Communication * Assessment: End of topic | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Chart showing sound wave, water wave | * Syllabus p 45 * Longman Integrated science grade 6 pupils’ books. |
| 13 | * Testing * Marking * compiling | * Material covered in term 3 | * Question set at school level | * Schemes of work * Pupils books * Past papers | * Syllabus |

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