**MINISTRY OF GENERAL EDUCATION**

**SOUTHERN PROVINCE**

**SCHEMES OF WORK**

**SUBJECT**: INT-SCIENCE

**GRADE**: 7**TERM**: 1  **YEAR**: 2018

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| WEEK | TOPIC/CONTENT | GENERAL OUTCOMES | METHODS | T/L RESOURCES | REFERENCE |
| 1 | **Plants and Animals**   * The flower | * 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 the flower | * Syllabus p.50 * Longman Integrated science grade 7 pupils’ books. P. 66-69 |
| 2 | * Pollination and fertilization in flowering plants | * 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 the flower * Actual different types of flowers and plants | * Syllabus p.50 * Longman Integrated science grade 7 pupils’ books. P.70-75 |
| 3 | * Fruits and seeds * Seed dispersal | * 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 the flower * Chart showing seed dispersal * Bean pods | * Syllabus p.51   Longman Integrated science grade 7 pupils’ books. P.76-81 |
| 4 | * Propagation * Assessment (End of topic) | * 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 | * Chart showing propagation from cuttings * Actual stems of plants | * Syllabus p.51   Longman Integrated science grade 7 pupils’ books. P.82-86 |
| 5 | **The human body**   * The Digestive System | * Demonstrate an understanding of the basic facts about the human body | * Discussing * Discovering * Demonstration * Group work | * Chart showing the human digestive system * Model of digestive organs | * Syllabus p.47   Longman Integrated science grade 7 pupils’ books. P 6-8 |
| 6 | **The human body**   * The Digestive System | * Demonstrate an understanding of the basic facts about the human body * Assessment: End of topic | * Discussing * Discovering * Demonstration * Group work | * Chart showing the human digestive system * Model of digestive organs | * Syllabus p.47   Longman Integrated science grade 7 pupils’ books. P 9-17 |
| 7 | |  |  | | --- | --- | |  | **Health** | | * Diseases * Assessment: mid-term test   **MIDTERM TEST** |  | | * 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 * Field trip | * Chart showing different disease * Nearest healthy center | * Syllabus p.48   Longman Integrated science grade 7 pupils’ books. P 19-31 |
| 8 | * Fruits * Assessment: end of topic | * 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 | * Chart showing different types of fruits * Actual fruits * Flowers | * Syllabus p.48   Longman Integrated science grade 7 pupils’ books. P 32-39 |
| 9 | **The Environment**   * Separating substances | * 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 | * Charts showing methods of separating substances * Beaker * Measuring cylinder * Funnel * Filter paper * Sand * Water * Clamp stand * Magnet * Iron fillings | * Syllabus p.49   Longman Integrated science grade 7 pupils’ books. P 41-50 |
| 10 | * Water supply system | * 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 | * Charts showing sources water * Well * Dam * Rivers * Taps * Bore holes | * Syllabus p.49   Longman Integrated science grade 7 pupils’ books. P 51-56 |
| 11 | * Water supply system * **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 * Field trip | * Chart showing water treatment plant * Chlorine | * Syllabus p.49   Longman Integrated science grade 7 pupils’ books. P 57-62 |
| 12 | End of term Test | * Material covered in term one | * Question set at school level | * Schemes of work * Pupils books * Past papers | * Syllabus |
| 13 | * 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.**

**MINISTRY OF GENERAL EDUCATION**

**SOUTHERN PROVINCE**

**SCHEMES OF WORK**

**SUBJECT**: INT-SCIENCE

**GRADE**: 7**TERM**: 2  **YEAR**: 2018

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| WEEK | TOPIC/CONTENT | GENERAL OUTCOMES | METHODS | T/L RESOURCES | REFERENCE |
| 1 | |  | | --- | | **Materials and energy**   * Energy | | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Cells * Battery * Shovel * Charts | * Syllabus p.52 * Longman Integrated science grade 7 pupils’ books. P. 89-92 |
| 2 | * Energy | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Cells * Battery * Shovel * Charts | * Syllabus p.52 * Longman Integrated science grade 7 pupils’ books. P. 93-95 |
| 3 | * Electric current and Circuits | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Battery/cell * Shovel * Charts * Bulb | * Syllabus p.52 * Longman Integrated science grade 7 pupils’ books. P. 96-100 |
| 4 | * Electric current and Circuits | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Battery/cell * Shovel * Charts * bulb | * Syllabus p.50 * Longman Integrated science grade 7 pupils’ books. P. 101-105 |
| 5 | * Lightning | * 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 lightening across the sky * Structure of an atom | * Syllabus p.52 * Longman Integrated science grade 7 pupils’ books. P. 106-108 |
| 6 | * Lightning | * 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 lightening across the sky   Structure of an atom | * Syllabus p.50 * Longman Integrated science grade 7 pupils’ books. P. 109-112 |
| 7 | * The solar system * Assessment (midterm test) * **MIDTERM TEST** | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * The chart showing the solar system * Torch | * Syllabus p.52 * Longman Integrated science grade 7 pupils’ books. P.129-134 |
| 8 | * The solar system | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * The chart showing the solar system * Torch | * Syllabus p.52 * Longman Integrated science grade 7 pupils’ books. P. 135-142 |
| 9 | * Metals and non metals | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Copper wire * Charcoal * Plastic cord * Piece of chalk | * Syllabus p.52 * Longman Integrated science grade 7 pupils’ books. P. 113-117 |
| 10 | * Mining | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Sample of minerals * Jewels * Ornaments * Pots and utensils | * Syllabus p.52 * Longman Integrated science grade 7 pupils’ books. P. 118-128 |
| 11 | **Revision**   * Energy | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Cells * Battery * Shovel   charts | * Syllabus p.52 * Longman Integrated science grade 7 pupils’ books. P. 89-92 |
| 12 | * End of termTest | * Material covered in term two | * Question set at district level | * Schemes of work * Pupils books * Papers | * Syllabus |
| 13 | * Testing * Marking * compiling | * Material covered in term two | * Question set at district level | * Schemes of work * Pupils books   Papers | * Syllabus |

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

**MINISTRY OF GENERAL EDUCATION**

**SOUTHERN PROVINCE**

**SCHEMES OF WORK**

**SUBJECT**: INT - SCIENC

**GRADE**: 7**TERM**: 3  **YEAR**: 2018

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| WEEK | TOPIC/CONTENT | GENERAL OUTCOMES | METHODS | T/L RESOURCES | REFERENCE |
| 1 | **Plants and Animals**   * The flower * Special paper 1 | * 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 the flower * Past papers | * Syllabus p.50 * Longman Integrated science grade 7 pupils’ books. P. 66-69 |
| 2 | **The human body**   * The Digestive System | * Demonstrate an understanding of the basic facts about the human body | * Discussing * Discovering * Demonstration * Group work | * Chart showing the human digestive system * Model of digestive organs * Past papers | * Syllabus p.47   Longman Integrated science grade 7 pupils’ books. P 6-17 |
| 3 | **The Environment**   * Separating substances | * 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 | * Chart showing method of separating substances * Beaker * Measuring cylinder * Funnel * Filter paper * Sand * Water * Clamp stand * Magnet * Iron fillings * Past papers | * Syllabus p.49   Longman Integrated science grade 7 pupils’ books. P 41-50 |
| 4 | * The solar system | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * The chart showing the solar system * Torch * Past papers | * Syllabus p.52 * Longman Integrated science grade 7 pupils’ books. P. 135-142 |
| 5 | * Electric current and Circuits | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Battery/cell * Shovel * Charts * Bulb * Past papers | * Syllabus p.50 * Longman Integrated science grade 7 pupils’ books. P. 101-105 |
| 6 | * Mining | * Develop knowledge, values and positive attitudes about materials and energy * Demonstrate investigative skills about materials and energy | * Discussing * Discovering * Demonstration * Group work * Explanation | * Sample of minerals * Jewels * Ornaments * Pots and utensils * Past papers | * Syllabus p.52 * Longman Integrated science grade 7 pupils’ books. P. 118-128 |
| 7 | * Orientations * Preparation for final exam | * Develop interest, courage and positive attitude towards the final exam | * Group work * Explanation | * Answer sheets | * Syllabus |
| 8 | * **Final Exam** |  |  |  |  |