**STD. 6 SCIENCE SCHEMES OF WORK TERM THREE 2021**

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| **WK** | **LES** | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **T/L ACTIVITIES** | **T/L AIDS** | **REFERENCE** | **REMARKS** |
| **1** | 1 | ENERGY  (Revision) | Light  How light travels | By the end of the lesson the learner should be able to:   1. Describe how light travels. 2. Demonstrate how light travels. | -Explanation.  -Discussion.  -Demonstration.  -Recording/Drawing. | -Table.  -Match box.  -Tourch.  -Candle.  -Pipes. | Understanding  sci ppls bk 6 pg81 |  |
| 2 | ,, | Transparent ,translucent and opaque materials | By the end of the lesson the learner should be able to (1) Identify transparent, translucent and opaque materials.   1. Give examples of transparent, translucent and opaque materials. | - discussion.  -Note taking  -Asking /answering oral questions. | -Piece of wood, stones, water, mirror, glass, thin paper, oil paper e.t.c. | sci ppls bk 6 pg 82 |  |
| 3 | ,, | Reflection of light | By the end of the lesson the learner should be able to demonstrate reflection of light. | -Explaining term reflection of light.  -Discussion.  -Demonstration.  -Observation.  -Drawing.  -Note taking | Spoons, shiny material plates, mirror e.t.c.  A wall with a shade on it. | sci ppls bk 6 pg 83 |  |
| 4 | ,, | Reflection of light | By the end of the lesson the learner should be able to investigate refraction of light. | -Explaining the term refraction of light.  -Demonstrating refraction of light .  - Observation.  -Note taking | -A glass of water.  -Ruler or a stick, a coin. | sci ppls bk 6 pg84 |  |
| 5 | ,, | Revision questions | By the end of the lesson the learner should be able to give correct answers to revision questions based on the previous topic “Energy”. | -Answering written questions.  -Making/correcting mistakes. | -Chalk boards.  -Pupil’s exercise books. | sci ppls bk 6 pg i Page 87 -88 |  |
| **2** | 1 | PROPERTIES OF MATTER  (Revision) | Composition of air | By the end of the lesson the learner should be able to, Name the components of air i.e Nitrogen, Oxygen, Carbondioxide and inert gases.  -Draw a chart to show composition of air. | -Naming the components of air.  -Discussing their percentages.  -Drawing pie charts to show composition of air. | A pie chart showing the composition of air. | sci ppls bk 6 pg89 |  |
| 2 | ,, | Uses of air (Nitrogen) | By the end of the lesson the learner should be able to, State the uses of Nitrogen as a component of air.  Observe roots nodules of leguminous plants. | -Discussing the uses of Nitrogen i.e used by plants to make proteins. | Leguminous plants. | sci ppls bk 6 pg92 |  |
| 3 | ,, | Uses of air (Oxygen) | By the end of the lesson the learner should be able to :- State the uses Oxygen as a component of air.  -Demonstrate the uses of Oxygen. | -Discussing the uses of Oxygen i.e breathing, burning, germination.  -Demonstration.  -Class activity. | -Candle.  -Jar  -Match. | sci ppls bk 6 pg 89 |  |
| 4 | ,, | Uses of air (Carbondioxide) | By the end of the lesson the learner should be able to :- State the uses of Carbonxide as a component of air.  -Demonstrate the uses of Carbondioxide. | -Discussing the uses of Carbondioxide i.e photosynthesis,  Extinguish fire e.t.c  -Demonstration.  -Class activities. | A bottle of soda.  -Bottle opener. | sci ppls bk 6 pg89 |  |
|  | 5 | ,, | Uses of air (Inert gases) | By the end of the lesson the learner should be able to:- State the uses of inert gases as components of air. | -Discussing the uses of inert gases i.e used for advertisements. | A light bulb. | sci ppls bk 6 pg92 |  |
| 3 | 1 | PROPERTIES OF MATTER  (Revision) | Revision questions | By the end of the lesson the learner should be able to give correct answers to revision questions based on “properties of matter’’ | Answering written questions | Local environment | sci ppls bk 6 pg93 |  |
| 2 | ,, | Movement | By the end of the lesson the learner should be able to move objects and be able to stop them. | Demonstration.  -Class activities. | - rollers, tires, blocks of wood | sci ppls bk 6 pg95 |  |
| 3 | ,, | Force | By the end of the lesson the learner should be able to name the units of measuring force | Demonstration.  -Class activities | - rollers, tires, blocks of wood | sci ppls bk 6 pg94 |  |
| 4 | ,, | Force | By the end of the lesson the learner should be able to state what force can do i.e start motion  -Demonstate how to stop motion | Demonstrations.  -Class activities | - rollers, tires, blocks of wood | sci ppls bk 6 pg96 |  |
| 5 | ,, | Force | By the end of the lesson the learner should be able to state what force can do i.e speed up motion  --Demonstate how to speed up motion | Demonstration.  -Class activities | - rollers, tires, blocks of wood | sci ppls bk 6 pg97 |  |
| 4 | 1 | ‘MAKING WORK EASIER  (Revision) | Force | By the end of the lesson the learner should be able to state what force can do i.e stop objects from moving  - Demonstate how force can stop objects from moving | Demonstration.  -Class activities | - rollers, tires, blocks of wood | sci ppls bk 6 pg98 |  |
| 2 | ,, | Force | By the end of the lesson the learner should be able to state what force can do i.e friction force stops sliding movement. | Demonstration.  -Class activities  - | - rollers, tires, blocks of wood | sci ppls bk 6 pg99 |  |
| 3 | ,, | Force | By the end of the lesson the learner should be able to give correct answers to revision questions based on making work easier | Answering written and oral questions | Exercises in ppls text bk | sci ppls bk 6 pg99 |  |
| 4 | ,, | Revision | By the end of the lesson the learner should be able to give correct answers to revision questions based on’ uses of air | Answering written questions | Exercises in ppls text bk | sci ppls bk 6 pg99 |  |
|  | 5 | ,, | Revision | By the end of the lesson the learner should be able to give correct answers to revision questions based on’ force | Answering written questions | Teachers own composition | sci ppls bk 6 pg99 |  |
| **5** | 1 | ANIMALS  (Revision) | Animal feeding  -Methods of grazing | By the end of the lesson the learner should be able to identify different grazing methods  ( zero grazing, herding) | Observation  Discussion  Observation | Local environment  Pictures in ppls text bk | sci ppls bk 6 pg48 |  |
| 2 | ,, | Animal feeding  -Balanced diet | By the end of the lesson the learner should be able to list the composition of balanced diet in animal feeding( carbohydrates, proteins, fats& oils) | Observation  Discussion  Explanation | Local environment  Pictures in ppls text bk | sci ppls bk 6 pg51 |  |
| 3 | ,, | Animal feeding  -Balanced diet | By the end of the lesson the learner should be able to list the composition of balanced diet in animal feeding. ( minerals, vitamins, water) | Explanation  Observation  Discussion | Local environment  Pictures in ppls text bk | sci ppls bk 6 pg 52 |  |
| 4 | ,, | Water borne diseases | By the end of the lesson the learner should be able to explain meaning of water borne diseases and name some water borne diseases | Explanation  Demonstration | Local environment  Pictures in ppls text bk | sci ppls bk 6 pg57 |  |
| 5 | ,, | Water borne diseases | By the end of the lesson the learner should be able to name some signs and symptoms of water borne diseases. ( cholera) | Explanation  Demonstration  Asking and answering oral question | Local environment  Pictures in ppls text bk | sci ppls bk 6 pg58 |  |
| **6** | 1 | WATER  (Revision) | Water borne diseases | By the end of the lesson the learner should be able to name some signs and symptoms of water borne diseases. ( typhoid) | Oral question.  drawing  note making | Illustrations on chalkboard | sci ppls bk 6pg59 |  |
| 2 | ,, | Water borne diseases | By the end of the lesson the learner should be able to name some signs and symptoms of water borne diseases. (Bilhazia) | ‘Oral question.  drawing  note taking | Pictures in ppls text bk. | sci ppls bk 6 pg59 |  |
| 3 | ,, | Preventive measures | By the end of the lesson the learner should be able to describe preventive measures for water borne diseases | Oral question.  drawing  note makin | Local environment  Pictures in ppls text bk | sci book 6 pg 60 |  |
| 4 | ,, | ‘Preventive measures | By the end of the lesson the learner should be able to further describe preventive measures for water borne diseases. | Oral question.  drawing  note taking | c/board  chart | Understanding sci book 6 pg 61 |  |
| 5 | ,, | QUIZ | By the end of the lesson the learner should be able to answer written questions correctly to reinforce retention of content. | Answering written questions | c/board | sci ppls bk 6 pg pg62 |  |
| **7** | General revision , End year exam | | | | | | | |
| 8 | End year exams, marking and compiling exam results | | | | | | | |