**SCIENCE SCHEMES OF WORK FOR CLASS FIVE TERM THREE - 2021**

| **WK** | **LES** | **TOPIC/SUB-TOPIC** | **OBJECTIVES** | **T/L ACTIVITIES** | **T/L AIDS** | **REFERENCE** | **REMARKS** |
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| 1 | 1 | ENERGY  (Revision)  Sounds  Types of sounds | By the end of the lesson, the learner should bale to:-   * identify different types of sound | * Explanation * Discussion * demonstration   -experimentation | Picture in pupils bk | Primary science  Ppls bk 5 pg 86  Trs bk 121 |  |
|  | 2 | Pollution from sounds | By the end of the lesson, the learner should be able to:   * demonstrate pollution from sound * state the effects of pollution from sound * investigate methods of heat transfer | * Explanation * Discussion * demonstration   -experimentation | Picture in pupils bk | Ppls bk 5 pg 90  Trs bk. 122 |  |
|  | 3 | Heat transfer in solids (conduction) | By the end of the lesson, the learner should be able to:   * . Describe heat transfer in solids | * Explanation * Discussion * demonstration   experimentation | Picture in pupils bk | Ppls bk 5 pg 93  Trs bk 129 |  |
|  | 4 | Heat transfer in liquids (convection) | By the end of the lesson, the learner should be able to:   * investigate methods of heat transfer | * explanation * demonstration   -experimentation | Picture in pupils bk | Ppls bk 5 pg95  Trs bk 5 132 |  |
|  | 5 | Heat transfer in air | By the end of the lesson, the learner should be able to:   * investigate methods of heat transfer | * explanation * demonstration   experimentation | Picture in pupils bk | Ppls bk pg 98  Trs bk 131 |  |
| 2 | 1 | ENERGY (Revision)  Heat transfer through radiation | By the end of the lesson, the learner should be able to:-   * Investigate methods of heat transfer | * explanation * demonstration * Q and A * Discussion | Source of heat  Pictures in pupils book | Ppls bk 101  Trs bk pg. 135 |  |
|  | 2 | Good and poor conductors of heat | By the end of the lesson, the learner should be able to:   * Classify good and poor conductor of heat. | * explanation * demonstration * Q and A * Discussion | Source of heat, nail, sticks, water, sufuria, comb,  brush | Ppls bk101  Trs bk pg 136 |  |
|  | 3 | Uses of good and poor conductor of heat | By the end of the lesson, the learner should be able to:   * classify the uses of good and poor | * explanation * demonstration * Q and A * Discussion | Pupils book | Ppls bk1103  Trs guide 137 |  |
|  | 4 | PROPERTIES OF MATTER (Revision)  State of matter | By the end of the lesson, the learner should be able to:   * List the states of matter | * explanation * demonstration * Q and A * Discussion | Stone, blocks, nails, books, pens, duster | Ppls bk106  Trs bk pg. 141 |  |
|  | 5 | Characteristics of matter (solids). | By the end of the lesson, the learner should be able to:   * Identify characteristics of solids | * explanation * demonstration * Q and A * Discussion | Rubber , bottle tops, nail, glass | Ppls bk 106  Trs bk pg. 143 |  |
| 3 | 1 | PROPERTIES OF MATTER (Revision)  Characteristics of matter (liquids). | By the end of the lesson, the learner should be able to:   * Identify characteristics of liquids * Investigate characteristics of liquids | * explanation * demonstration * Q and A * Discussion | Water | Ppls bk107  Trs guide pg. 145 |  |
|  | 2 | Effects of heat on matter change of state | By the end of the lesson, the learner should be able to:   * Investigate effects of heat on matter | * explanation * demonstration * Q and A * Discussion | Transparent containers | Ppls bk 112  Trs guide pg 146 |  |
|  | 3 | Melting | By the end of the lesson, the learner should be able to:   * Investigate effects of heat on matter | * explanation * demonstration * Q and A * Discussion | Pupils pictures | Ppls bk 112  Trs bk pg. 146 |  |
|  | 4 | Evaporation | By the end of the lesson, the learner should be able to:   * Investigate effects of heat on matter | * explanation * demonstration * Q and A * Discussion | Candle, match box, ice, collecting dish, petrol, paraffin, water, spirit | Ppls bk 114  Trs bk 148 |  |
|  | 5 | Condensation | By the end of the lesson, the learner should be able to:   * Investigate effects of heat on matter | * explanation * demonstration * Q and A * Discussion | Water, heat, plate, sufuria | Ppls bk 115  Trs bk pg 149 |  |
| 4 | 1 | PROPERTIES OF MATTER (Revision)  Freezing | By the end of the lesson, the learner should be able to:   * Investigate effects of heat on matter | * explanation * demonstration * Discussion * Q and A | Ice  Picture in pupils bk | Ppls bk 5 pg 118  Trs bk pg. 149 |  |
|  | 2 | Expansion and contracting of matter .(solids) | By the end of the lesson, the learner should be able to:   * Investigate effects of heat on matter. | * explanation * demonstration * Discussion * Q and A | Nail, stick, ink +lid heat | Ppls bks pg 119  Trs bk 5 pg. 151 |  |
|  | 3 | Expansion and contraction of matter (liquids) | By the end of the lesson, the learner should be able to:  -Investigate effects of heat on matter. | * explanation * demonstration * Discussion * Q and A | Bottle, straw, colored water, cork, string, water sufuria heat | Ppls bk pg 121  Trs bk pg 152 |  |
|  | 4 | Expansion and contraction of matter (gases) | By the end of the lesson, the learner should be able to:   * Investigate effects of heat on matter. | * explanation * demonstration * Discussion * Q and A | Ballon, bottle, cork,pastici-ne, heated water | Ppls bk 5 pg 123  Trs bk pg. 153 |  |
|  | 5 | Measurement of temperature in degrees Celcius(0c) | By the end of the lesson, the learner should be able to:   * measure temperature in degrees celcius (0c) | * explanation * demonstration * Discussion * Q and A | Pupils bk  Temperature | Ppls bk 5 pg 126  Trs bk 155 |  |
| 5 | 1 | MAKING WORK EASIER  (Revision)  Balancing | By the end of the lesson, the learner should be able to:   * Balance on a see-saw | * explanation * demonstration * Discussion * Q and A | See-saw  Picture in ppls bk | Ppls bk 5 pg 126  Trs bk 5 pg. 158 |  |
|  | 2 | seesaw | By the end of the lesson, the learner should be able to:   * Make and use a simple seesaw to compare mass of different materials | * explanation * demonstration * Discussion * Q and A | Nail, wood, base masses/beam balance | Ppls bk 5 pg 130  Trs bk pg. 159 |  |
|  | 3 | Making and using beam balance | By the end of the lesson, the learner should be able to:   * Make and use a simple beam balance to compare mass of different materials | ,,Make and use a simple beam balanc | ,, | Ppls bk. 135  Trs bk pg 162 |  |
|  | 4 | Revision questions | By the end of the lesson, the learner should be able to:   * By the end of the lesson, the learner should be able to: Answer written questions correctly on making working easier | * explanation * Discussion * Q and A * Writing questions and answering them. | Pupils book  Pupils  Exercise books, pen pencil | Pupils bk 5 pg 137  Trs bk pg 164 |  |
|  | 5 | Revision questions | By the end of the lesson, the learner should be able to:   * Answer written questions correctly on making working easier | * explanation * Discussion * Q and A * testr | Pupils book  Pupils  Exercise books, pen pencil | Pupils bk 5 pg 136  Trs bk pg 165 |  |
| 6 | 1 | ANIMALS  Main characteristics of reptiles | **By the end of the lesson, the learner should be able to:**  -Observe and list some characteristics of reptiles | * Observation * Discussion * Explanation * Q & A | pictures | Primary science Ppls bk5 pg64  Trs bk pg 92 |  |
|  | 2 | Main characteristics of amphibians | By the end of the lesson, the learner should be able to:  -Observe and list some characteristics of amphibians | * Observation * Discussion * Explanation * Q & A | Pictures in ppls bk | Ppls bk pg 66  Trs bk pg 92 |  |
|  | 3 | Main characteristics of fish | By the end of the lesson, the learner should be able to:  -Observe and list some characteristics of fish | * Observation * Discussion * Explanation * Q & A | Pictures in ppls bk | Ppls bk pg 65  Trs bk pg 93 |  |
|  | 4 | Main characteristics of birds | By the end of the lesson, the learner should be able to:  -List some characteristics of birds | * Observation * Discussion * Explanation * Q & A | Pictures in ppls bk | Ppls bk pg 63  Trs bk pg 94 |  |
|  | 5 | Common invertebrates | By the end of the lesson, the learner should be able to:  -Name some common invertebrates. | * Observation * Discussion * Collecting and identifying invertebrates | Pictures in ppls bk | Ppls bk pg 66  Trs bk pg94 |  |
| 7 | - | REVISION AND EXAMINATION | -By the end of the lesson the learner should be able to:  -Review the work covered from start of year in preparation for end of year exam. | -Revision  -Discussion  -Tests and quizzes | -Past exam papers  -Chalkboard | Ppls bk 5 pg  1-165 |  |
| 8 | **End term exams marking and compiling examination results** | | | | | | |