**SCIENCE SCHEMES OF WORK**

**STANDARD FIVE TERM I**

**REFERENCES:**

1. SCIENCE IN ACTION PUPILS BOOK5, OXFORD PUBLISHERS
2. SCIENCE IN ACTION TEACHER’S GUIDE BOOK 5, OXFORD PUBLISHERS
3. PRIMARY SCIENCE PUPILS BOOK5, JKF PUBLISHERS
4. PRIMARY SCIENCE TEACHERS GUIDE BOOK 5, JKF PUBLISHERS
5. UNDERSTANDING SCIENCE PUPILS BOOK 5 PUBLISHERS
6. UNDERSTANDING SCIENCE GUIDE BOOK 5 PUBLISHERS

|  |  |  |  |  |  |  |  |  |  |  |
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| **WEEK** | **LESN** | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **TEACHER’S ACTIVITIES** | **LEARNER’S ACTIVITIES** | **RESOURCES** | **REFERENCES** | **ASSESMENT** | **REMARKS** |
| **1** | **REPORTING AND PREPARATION** |  |
| **2** | **1** | **Breathing system**  | **Parts of breathing system** | **By the end of this lessonthe learner should be able to identify the parts of the breathing system.** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | * **Chart**
* **Photographs**

**Diagrams from the book** | **-SCIA - 5 pg 2-9****-TG - 5 pg 2-6****-PSC-5 PB pg2-8****-TG-5 pg2****US PB Pg 2-7****TG6 Pg 2-5** | **Oral exercise**  |  |
| **2** |  |  | **By the end of this lesson the learner should be able to identify and name breathing system.** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Observation**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Observation**
 | **Photographs and charts on** **The parts of breathing system** | **-SCIA - 5 pg 2-9****-TG - 5 pg 2-6****-PSC-5 PB pg2-8****-TG-5 pg2****US PB Pg 2-7****TG6 Pg 2-5** | **Drawing and labelling diagrams** |  |
| **3** |  | **Functions**  | **By the end of this lesson the learner should be able to identify the function the nose and trachea**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | **Photographs and charts on** **The parts of breathing system** | **-SCIA - 5 pg 2-9****-TG - 5 pg 2-6****-PSC-5 PB pg2-8****-TG-5 pg2****US PB Pg 2-7****TG6 Pg 2-5** | **Filling in blank spaces** |  |
| **4** |  | **Lungs and diaphragm** | **By the end of this lesson the learner should be able to identify and describe functions of the lungs and diaphragm**  | * **Drawing**
* **Explanation**
* **Demonstrating diagrams**
 | * **Drawing**
* **Explanation**
* **Demonstrating diagrams**
 | **Photographs and charts on** **The parts of breathing system** | **-SCIA - 5 pg 2-9****-TG - 5 pg 2-6****-PSC-5 PB pg2-8****-TG-5 pg2****US PB Pg 2-7****TG6 Pg 2-5** | **Written exercise** |  |
| **5** | **Digestive system** |  | **By the end of this lesson the learner should be able to identify parts of digestive system**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | **Photographs and charts on** **The parts of breathing system** | **-SCIA - 5 pg 2-9****-TG - 5 pg 2-6****-PSC-5 PB pg2-8****-TG-5 pg2****US PB Pg 2-7****TG6 Pg 2-5** | **Written exercise** |  |
| **3** | **1** |  |  | **By the end of this lesson the learner should be able to identify and describe functions of the mouth** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | **Photographs and charts on** **The parts of breathing system** | **-SCIA - 5 pg 2-9****-TG - 5 pg 2-6****-PSC-5 PB pg2-8****-TG-5 pg2****US PB Pg 2-7****TG6 Pg 2-52** | **Oral exercise**  |  |
| **2** |  |  | **By the end of this lesson the learner should be able to describe oesophagus in digestive system and its functions.** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | **Photographs and charts on** **The parts of breathing system** | **-SCIA - 5 pg 2-9****-TG - 5 pg 2-6****-PSC-5 PB pg2-8****-TG-5 pg2****US PB Pg 2-7****TG6 Pg 2-5** | **Drawing and labelling diagrams** |  |
| **3** |  | **Stomach**  | **By the end of this lesson the learner should be able to identify and describe stomach as part of digestive system and its functions.** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Drawing**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Drawing**
 | **Photographs and charts on** **The parts of breathing system** | **-SCIA - 5 pg 2-9****-TG - 5 pg 2-6****-PSC-5 PB pg2-8****-TG-5 pg2****US PB Pg 2-7****TG6 Pg 2-5** | **Filling in blank spaces** |  |
| **4** |  | **Small intestine**  | **By the end of this lesson the learner should be able to identify and describe small intestine as part of digestive system and its functions.** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | **Photographs and charts on** **The parts of digestive system** | **-SCIA - 5 pg 2-9****-TG - 5 pg 2-6****-PSC-5 PB pg2-8****-TG-5 pg2****US PB Pg 2-7****TG6 Pg 2-5** | **Written exercise** |  |
| **5** |  | **Liver and pancreas** | **By the end of this lesson the learner should be able to identify and describe liver and pancreas in digestive system and its functions.** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | **Photographs and charts on** **The parts of digestive system** | **-SCIA - 5 pg 2-9****-TG - 5 pg 2-6****-PSC-5 PB pg2-8****-TG-5 pg2****US PB Pg 2-7****TG6 Pg 2-5** | **Written exercise** |  |
| **4** | **1** |  | **Large intestine, rectum and anus** | **By the end of this lesson the learner should be able to identify and describe large intestine, rectum and anus in digestive system and its functions.** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | **Photographs and charts on** **The parts of digestive system** | **-SCIA - 5 pg 2-9****-TG - 5 pg 2-6****-PSC-5 PB pg2-8****-TG-5 pg2****US PB Pg 2-7****TG6 Pg 2-5** | **Oral exercise**  |  |
| **2-** | **Health education**  | **Proper storage of medicine**  | **By the end of this lesson the learner should be able to proper use and storage of medicine**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | **Photographs and Poster****Pictures****Charts** | **-SCIA - 5 pg 12-20****-TG - 5 pg 7-12****-PSC-5 PB pg12-18****-TG-5 pg12****US PB Pg 12-17****TG6 Pg 2-15** | **Drawing and labelling diagrams** |  |
| **3** |  | **Safety when handling chemical at home**  | **By the end of this lesson the learner should be able to describe safety measures when handling chemicals at home**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Photographs and Poster****Pictures****Charts** | **--SCIA - 5 pg 12-20****-TG - 5 pg 7-12****-PSC-5 PB pg12-18****-TG-5 pg12****US PB Pg 12-17****TG6 Pg 2-15** | **Filling in blank spaces** |  |
|  | **4** |  | **HIV/ AIDS transmission**  | **By the end of this lesson the learner should be able to identify the modes of transmission of HIV**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **chart** **Poster****Pictures****Charts**  | **-SCIA - 5 pg 12-20****-TG - 5 pg 7-12****-PSC-5 PB pg12-18****-TG-5 pg12****US PB Pg 12-17****TG6 Pg 2-15** | **Written exercise** |  |
| **5** |  | **HIV/ AIDS stages of infection**  | **By the end of this lesson the learner should be able to describe the stages of HIV development**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **chart** **Poster****Pictures****Charts**  | **-SCIA - 5 pg 12-20****-TG - 5 pg 7-12****-PSC-5 PB pg12-18****-TG-5 pg12****US PB Pg 12-17****TG6 Pg 2-15** | **Written exercise** |  |
| **5** | **1** | **Plants**  | **Classification of green plants** | **By the end of this lesson the learner should be able to classify green plants**  | * **Discussion**
 | * **Discussion**
 | **Poster****Pictures****Charts**  | **SCIA - 5 pg20-30****-TG - 5 pg 12-17****-PSC-5 PB pg18-31****-TG-5 pg12-16****US PB Pg 18-27****TG5 Pg 8-15** | **Oral exercise**  |  |
| **2** |  | **Classification of non green plants** | **By the end of this lesson the learner should be able to classify non-green plants**  | * **Explanation**
 | * **Explanation**
 | **chart**  | **SCIA - 5 pg20-30****-TG - 5 pg 12-17****-PSC-5 PB pg18-31****-TG-5 pg12-16****US PB Pg 18-27****TG5 Pg 8-15** | **Drawing and labelling diagrams** |  |
| **6** | **MID TERM EXAMINATION** |  |
| **7** | **1** | **Plants**  | **Classification of flowering plants** | **By the end of this lesson the learner should be able to classify flowering plants**  | * **Explanation**
 | * **Explanation**
 | **Poster****Pictures****Charts** | **SCIA - 5 pg20-30****-TG - 5 pg 12-17****-PSC-5 PB pg18-31****-TG-5 pg12-16****US PB Pg 18-27** | **Oral exercise**  |  |
| **2** |  | **Classification**  | **By the end of this lesson the learner should be able to classify non-flowering plants**  | * **Demonstrating diagrams**
 | * **Demonstrating diagrams**
 | **Soil** **Plants****water****Charts** | **TG5 Pg 8-15****SCIA - 5 pg20-30****-TG - 5 pg 12-17****-PSC-5 PB pg18-31****-TG-5 pg12-16** | **Drawing and labelling diagrams** |  |
| **3** | **Plants**  | **Parts of a plant** | **By the end of this lesson the learner should be able to state the functions of external parts of a plants**  | **Note taking**  | **Note taking**  | **Soil** **Plants****water****Charts** | **US PB Pg 18-27****TG5 Pg 8-15****SCIA - 5 pg20-30****-TG - 5 pg** | **Filling in blank spaces** |  |
| **4** |  | **Tap root**  | **By the end of this lesson the learner should be able to identify types of root**  | * **Discussion**
 | * **Discussion**
 | **Soil** **Plants****water****Charts** | **TG5 Pg 8-15****SCIA - 5 pg20-30****-TG - 5 pg 12-17****-PSC-5 PB pg18-31****-TG-5 pg12-16** | **Written exercise** |  |
| **8** | **5** | **Weather**  | **Weather instrument**  | **By the end of this lesson the learner should be able to identify different weather instrument**  | * **Demonstrating diagrams**
 | * **Demonstrating diagrams**
 | **Charts** **pictures****weather instrument** | **SCIA - 5 pg31-40****-TG - 5 pg 17-21****-PSC-5 PB pg31-43****-TG-5 pg16-20****US PB Pg 18-27****TG5 Pg 15-17** | **Written exercise** |  |
| **1** |  | **Use of rain gauge**  | **By the end of this lesson the learner should be able to identify and state the use rain gauge**  | * **Note taking Discussion**
* **Explanation**

**Demonstrating chart**  | * **Note taking Discussion**
* **Explanation**

**Demonstrating chart**  | **Charts** **pictures****weather instrument** | **SCIA - 5 pg31-40****-TG - 5 pg 17-21****-PSC-5 PB pg31-43****-TG-5 pg16-20****US PB Pg 18-27****TG5 Pg 15-17** | **Oral exercise**  |  |
| **2** |  | **Construction of rain gauge**  | **By the end of this lesson the learner should be able to construct rain gauge**  | * **Discussion**
* **Explanation**
* **Demonstrating chart**
 | * **Discussion**
* **Explanation**
* **Demonstrating chart**
 | **Charts** **pictures****weather instrument** | **SCIA - 5 pg31-40****-TG - 5 pg 17-21****-PSC-5 PB pg31-43****-TG-5 pg16-20****US PB Pg 18-27****TG5 Pg 15-17** | **Oral exercise**  |  |
| **3** |  | **Identify of wind vane**  | **By the end of this lesson the learner should be able to state the use rain gauge**  | * **Explanation Discussion**
* **Explanation**
* **Demonstrating chart**
 | * **Explanation Discussion**
* **Explanation**
* **Demonstrating chart**
 | **Charts** **pictures****weather instrument** | **SCIA - 5 pg31-40****-TG - 5 pg 17-21****-PSC-5 PB pg31-43****-TG-5 pg16-20****US PB Pg 18-27****TG5 Pg 15-17** | **Drawing and labelling diagrams** |  |
| **9** | **4** |  | **Construction of wind vane**  | **By the end of this lesson the learner should be able to construct wind vane**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts** **pictures****weather instrument** | **SCIA - 5 pg31-40****-TG - 5 pg 17-21****-PSC-5 PB pg31-43****-TG-5 pg16-20****US PB Pg 18-27****TG5 Pg 15-17** | **Filling in blank spaces** |  |
| **5** |  | **Identify of wind sock**  | **By the end of this lesson the learner should be able to identify the wind sock**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts** **pictures****weather instrument** | **SCIA - 5 pg31-40****-TG - 5 pg 17-21****-PSC-5 PB pg31-43****-TG-5 pg16-20****US PB Pg 18-27****TG5 Pg 15-17** | **Oral exercise**  |  |
| **4-5** |  | **Construction of wind sock** | **By the end of this lesson the learner should be able to construct wind sock**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts** **pictures****weather instrument** | **SCIA - 5 pg31-40****-TG - 5 pg 17-21****-PSC-5 PB pg31-43****-TG-5 pg16-20****US PB Pg 18-27****TG5 Pg 15-17** | **Drawing and labelling diagrams** |  |
| **1-2** |  |  **Liquid thermometer**  | **By the end of this lesson the learner should be able to identify and state the use liquid thermometer**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts** **pictures****weather instrument** | **SCIA - 5 pg31-40****-TG - 5 pg 17-21****-PSC-5 PB pg31-43****-TG-5 pg16-20****US PB Pg 18-27****TG5 Pg 15-17** | **Filling in blank spaces** |  |
| **10****11** | **3-4** |  | **Liquid thermometer**  | **By the end of this lesson the learner should be able to construct liquid thermometer**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts** **pictures****weather instrument** | **SCIA - 5 pg31-40****-TG - 5 pg 17-21****-PSC-5 PB pg31-43****-TG-5 pg16-20****US PB Pg 18-27****TG5 Pg 15-17** | **Written exercise** |  |
|  | **REVISION**  |
| **12** |  | **EXAMINATION** |
| **1314** |  | **MARKING AND CLOSING THE SCHOOL** |

**SCIENCE SCHEMES OF WORK**

**STANDARD FIVE TERM II**

**REFERENCES:**

* + - 1. SCIENCE IN ACTION PUPILS BOOK5, OXFORD PUBLISHERS
			2. SCIENCE IN ACTION TEACHER’S GUIDE BOOK 5, OXFORD PUBLISHERS
			3. PRIMARY SCIENCE PUPILS BOOK5, JKF PUBLISHERS
			4. PRIMARY SCIENCE TEACHERS GUIDE BOOK 5, JKF PUBLISHERS
			5. UNDERSTANDING SCIENCE PUPILS BOOK 5 PUBLISHERS

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| **WEEK** | **LESSON** | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **TEACHER’S ACTIVITIES** | **LEARNERS’ ACTIVITIES** | **RESOURCES/** | **REFERENCES** | **ASSESSMENT**  | **REMARKS** |
| **1****2** | **1-2** | **Weather**  |  **Air thermometer**  | **By the end of this lesson the learner should be able to identify and state the use air thermometer**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Water**  | **SCIA - 5 pg31-40****-TG - 5 pg 17-21****-PSC-5 PB pg31-43****-TG-5 pg16-20****US PB Pg 18-27****TG5 Pg 15-17** | **Oral exercise**  |  |
| **3-5** |  | **Air thermometer**  | **By the end of this lesson the learner should be able to construct air thermometer**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Water** | **SCIA - 5 pg31-40****-TG - 5 pg 17-21****-PSC-5 PB pg31-43****-TG-5 pg16-20****US PB Pg 18-27****TG5 Pg 15-17** | **Drawing and labelling diagrams** |  |
| **1-2** | **Animals**  | **Meaning**  | **By the end of this lesson the learner should be able to explain the meaning of vertebrate and invertebrate**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Water** | **SCIA - 5 pg40-46****-TG - 5 pg 21-26****-PSC-5 PB pg43-52****-TG-5 pg20-27****US PB Pg 27-34****TG5 Pg17-21** | **Filling in blank spaces** |  |
| **3-5** |  | **Classify** **Amphibian**  | **By the end of this lesson the learner should be able to classify amphibians**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Resource person**  | **SCIA - 5 pg40-46****-TG - 5 pg 21-26****-PSC-5 PB pg43-52****-TG-5 pg20-27****US PB Pg 27-34****TG5 Pg17-21** | **Written exercise** |  |
| **3****4****5****6** | **1-2** |  | **Classify** **Fish**  | **By the end of this lesson the learner should be able to classify fish and give examples** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Water** | **SCIA - 5 pg40-46****-TG - 5 pg 21-26****-PSC-5 PB pg43-52****-TG-5 pg20-27****US PB Pg 27-34****TG5 Pg17-21** | **Written exercise** |  |
| **4-5** |  | **Classify****Reptile**  | **By the end of this lesson the learner should be able to classify reptile and give examples and characteristic** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Water** | **SCIA - 5 pg40-46****-TG - 5 pg 21-26****-PSC-5 PB pg43-52****-TG-5 pg20-27****US PB Pg 27-34****TG5 Pg17-21** | **Oral exercise**  |  |
| **1-3** |  | **Classify****bird** | **By the end of this lesson the learner should be able to classify reptile and give examples and characteristic**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Water** | **SCIA - 5 pg46-54****-TG - 5 pg 26-30****-PSC-5 PB pg52-60****-TG-5 pg27-30****US PB Pg 34-37****TG5 Pg21-25** | **Oral exercise**  |  |
| **4-5** |  | **Classify****Mammals**  | **By the end of this lesson the learner should be able to classify mammals and give examples and characteristic** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Water** | **SCIA - 5 pg46-54****-TG - 5 pg 26-30****-PSC-5 PB pg52-60****-TG-5 pg27-30****US PB Pg 34-37****TG5 Pg21-25** | **Drawing and labelling diagrams** |  |
| **1-2** | **Soil**  | **Texture**  | **By the end of this lesson the learner should be able to explain the term soil texture**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Trip to dam** | **SCIA - 5 pg46-54****-TG - 5 pg 26-30****-PSC-5 PB pg52-60****-TG-5 pg27-30****US PB Pg 34-37****TG5 Pg21-25** | **Filling in blank spaces** |  |
| **3-5** |  | **Investigate soil texture**  | **By the end of this lesson the learner should be able to investigate soil texture**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Water** | **SCIA - 5 pg46-54****-TG - 5 pg 26-30****-PSC-5 PB pg52-60****-TG-5 pg27-30****US PB Pg 34-37****TG5 Pg21-25** | **Written exercise** |  |
| **8****9** | **1-2** | **Properties of soil**  |  | **By the end of this lesson the learner should be able to investigate drainage as a physical properties of soil**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Fish,** **Meat** **Grain** | **SCIA - 5 pg46-54****-TG - 5 pg 26-30****-PSC-5 PB pg52-60****-TG-5 pg27-30****US PB Pg 34-37****TG5 Pg21-25** | **Written exercise** |  |
| **3-5** |  | **Capillarity** | **By the end of this lesson the learner should be able to investigate capillarity as a physical properties of soil**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Fish,** **Meat** **Grain** | **SCIA - 5 pg46-54****-TG - 5 pg 26-30****-PSC-5 PB pg52-60****-TG-5 pg27-30****US PB Pg 34-37****TG5 Pg21-25** | **Oral exercise**  |  |
| **1** | **Food and nutrition**  | **Nutrients in food**  | **By the end of this lesson the learner should be able to explain state nutrients in food**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Fish,** **Meat** **Grain** | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Oral exercise**  |  |
| **2-3** |  | **carbohydrate** | **By the end of this lesson the learner should be able to explain and describe nutrient found in carbohydrate**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Fish,** **Meat** **Grain** | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Drawing and labelling diagrams** |  |
| **4-5** |  | **fats and oil**  | **By the end of this lesson the learner should be able to explain and describe nutrient found in fats and oil**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Fish,** **Meat** **Grain** | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Filling in blank spaces** |  |
| **10****11** | **1-2** |  | **proteins**  | **By the end of this lesson the learner should be able to explain and describe nutrient found in proteins**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Charts****Pictures****Fish,** **Meat** **Grain** | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Written exercise** |  |
| **3** |  | **vitamins**  | **By the end of this lesson the learner should be able to explain and describe nutrient found in vitamins**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Fish,** **Meat** **Grain****Fruits**  | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Written exercise** |  |
| **1-2** |  | **minerals**  | **By the end of this lesson the learner should be able to explain and describe nutrient found in minerals**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Fish,** **Meat** **Grain****Fruits**  | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Oral exercise**  |  |
| **3-4** |  | **fibres**  | **By the end of this lesson the learner should be able to state the importance of fibres in the diet**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Fish,** **Meat** **Grain****Fruits**  | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Oral exercise**  |  |
| **12** | **5** |  | **water**  | **By the end of this lesson the learner should be able to state the importance of water in a diet**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Glasses water, mirror** **Torch, shinny surface**  | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Drawing and labelling diagrams** |  |
| **1-2** | **nutritional deficiency disease** | **kwashiorkor**  | **By the end of this lesson the learner should be able to indentify causes, signs and prevention of kwashiorkor**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Glasses water, mirror** **Torch, shinny surface**  | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Filling in blank spaces** |  |
| **3-4** |  | **Marasmus**  | **By the end of this lesson the learner should be able to indentify causes, signs and prevention of Marasmus**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Glasses water, mirror** **Torch, shinny surface**  | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Written exercise** |  |
| **4-** |  | **anaemia**  | **By the end of this lesson the learner should be able to indentify causes, signs and prevention of anaemia**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Glasses water, mirror** **Torch, shinny surface**  | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Written exercise** |  |
| **5** |  | **rickets**  | **By the end of this lesson the learner should be able to indentify causes, signs and prevention of rickets**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Glasses water, mirror** **Torch, shinny surface** | **SCIA - 5 pg54-62****-TG - 5 pg 26-30****-PSC-5 PB pg60-69****-TG-5 pg27-30****US PB Pg 37-44****TG5 Pg25-30** | **Oral exercise**  |  |
| **13** |  | **REVISION** |  |
| **14** |  | **EXMINATION AND CLOSING THE SCHOOL** |  |

**SCIENCE SCHEMES OF WORK**

**STANDARD FIVE TERM III**

**REFERENCES:**

1. SCIENCE IN ACTION PUPILS BOOK5, OXFORD PUBLISHERS
2. SCIENCE IN ACTION TEACHER’S GUIDE BOOK 5, OXFORD PUBLISHERS
3. PRIMARY SCIENCE PUPILS BOOK5, JKF PUBLISHERS
4. PRIMARY SCIENCE TEACHERS GUIDE BOOK 5, JKF PUBLISHERS
5. UNDERSTANDING SCIENCE PUPILS BOOK 5 PUBLISHERS

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WEEK** | **LESSON** | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **TEACHER’S ACTIVITIES** | **LEARNER’S ACTIVITIES** | **RESOURCES/** | **REFERENCES** | **ASSESSMENT**  | **REMARKS** |
| **1** | **REPORTING AND PREPARATION** |  |
| **2** | **1** |  **Energy**  | **sound**  | **By the end of this lesson the learner should be able to identify different types of sounds**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **drum ,** **bell****flutes****ruler** | **SCIA - 5 pg62-70****-TG - 5 pg30-41****-PSC-5 PB pg69-80****-TG-5 pg 40-49****US PB Pg 44-52****TG5 Pg30-38** | **Written exercise** |  |
| **2** |  | **sound pollution**  | **By the end of this lesson the learner should be able to demonstrate pollution from the sound**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **drum ,** **bell****flutes****ruler** | **SCIA - 5 pg62-70****-TG - 5 pg30-41****-PSC-5 PB pg69-80****-TG-5 pg 40-49****US PB Pg 44-52****TG5 Pg30-38** | **Oral exercise**  |  |
| **3** |  | **Effects of sound pollution**  | **By the end of this lesson the learner should be able to state effects of pollution from sound**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **drum ,** **bell****flutes****ruler** | **SCIA - 5 pg62-70****-TG - 5 pg30-41****-PSC-5 PB pg69-80****-TG-5 pg 40-49****US PB Pg 44-52****TG5 Pg30-38** | **Oral exercise**  |  |
| **4** | **heat**  | **conduction**  | **By the end of this lesson the learner should be able to investigate conduction as a method of heat transfer**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **source of heat****water****wood****metal** | **SCIA - 5 pg62-70****-TG - 5 pg30-41****-PSC-5 PB pg69-80****-TG-5 pg 40-49****US PB Pg 44-52****TG5 Pg30-38** | **Drawing and labelling diagrams** |  |
| **5** |  | **convection**  | **By the end of this lesson the learner should be able to investigate convection as a method of heat transfer** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **source of heat****water****wood****metal** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Filling in blank spaces** |  |
| **3****4** | **1** |  | **radiation**  | **By the end of this lesson the learner should be able to investigate radiation as a method of heat transfer** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **source of heat****water****wood****metal** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Written exercise** |  |
| **2-3** |  | **revision**  | **By the end of this lesson the learner should be able to revise and answer question in the topic heat transfer** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **source of heat****water****wood****metal** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Oral exercise**  |  |
| **4-5** |  | **good conductor**  | **By the end of this lesson the learner should be able to demonstrate classify good conductor of heat**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **source of heat****water****wood****metal** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Oral exercise**  |  |
| **1** |  | **good conductor**  | **By the end of this lesson the learner should be able to state uses of good conductors of heat and their state uses** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **source of heat****water****wood****metal** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Drawing and labelling diagrams** |  |
|  | **2** |  | **Bad conductor**  | **By the end of this lesson the learner should be able to of bad conductors of heat**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
 | **source of heat****water****wood****metal Wires****Chart**  | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Filling in blank spaces** |  |
| **5****6** | **3-****4** | **Properties of matter**  | **state of matter**  | **By the end of this lesson the learner should be able to list states of matter** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
* **Note taking**
 | **Seed** **Candle fire****Chart** **source of heat** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Written exercise** |  |
| **5** |  | **solid**  | **By the end of this lesson the learner should be able toidentify the characteristic of solid as a state of matter** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
 | **Chart** **source of heat** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Oral exercise**  |  |
| **1** |  | **liquids** | **By the end of this lesson the learner should be able to identify the characteristic of liquid and gases as a state of matter** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
 | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**
 | **Candle fire****Chart**  | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Oral exercise**  |  |
| **2-3** |  | **effect of heat on matter**  | **By the end of this lesson the learner should be able to investigate effect of heat on gases , liquids and solid**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **source of heat** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Written exercise** |  |
| **4** |  | **change of state**  | **By the end of this lesson the learner should be able to investigate effect and change of state of matter** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **source of heat** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Oral exercise**  |  |
| **1** |  | **contraction and expansion**  | **By the end of this lesson the learner should be able to investigate contraction and expansion** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **source of heat**  | **SCIA – 6 pg 7****TG - 6 pg 4****-PSC-6 PB pg6****-TG-6 pg4** | **Oral exercise**  |  |
| **2** |  | **degree Celsius**  | **By the end of this lesson the learner should be able to measure temperature in degree Celsius**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **thermometer**  | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Drawing and labelling diagrams** |  |
| **7** | **MID TERM EXAMINATION** |  |
| **8****9** | **1-5** | **Making work easier**  | **balancing on see saw**  | **By the end of this lesson the learner should be able to balance another pupil on different part of a see saw**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Ball bearing****Oil****Grease** **beam balance** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Filling in blank spaces** |  |
| **1-3** |  | **making beam balance**  | **By the end of this lesson the learner should be able to make and use simple beam balances to compare mass**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Ball bearing****Oil****Grease** **beam balance** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Written exercise** |  |
| **4-5** |  | **comparing mass** | **By the end of this lesson the learner should be able to compare mass of different materials**  | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | * **Discussion**
* **Explanation**
* **Demonstrating diagrams**

**Note taking** | **Ball bearing****Oil****Grease** **beam balance** | **SCIA - 5 pg70-90****-TG - 5 pg41-50****-PSC-5 PB pg80-108****-TG-5 pg 40-49****US PB Pg 52-67****TG5 Pg38-47** | **Oral exercise**  |  |
| **10** | **1-5** |  | **REVISION** | **By the end of this lesson the learner should be able to revise and answer question in the term examination** | * **Discussion**
* **Explanation**
* **Answering**
 | * **Discussion**
* **Explanation**
* **Answering**
 |  | **SCIA – 7 pg 2-100****TG - 7 pg2-52** **-PSC-7 PB pg2-129****-TG-7 pg70** | **Oral exercise**  |  |
| **11** | **END YEAR EXAMINATION** |  |
| **12** |  |  |