**SCIENCE SCHEMES OF WORK**

**STANDARD EIGHT**

**TERM I**

**REFERENCES:**

1. SCIENCE IN ACTION PUPILS BOOK8, OXFORD PUBLISHERS
2. SCIENCE IN ACTION TEACHER’S GUIDE BOOK 8 OXFORD PUBLISHERS
3. PRIMARY SCIENCE PUPILS BOOK8, JKF PUBLISHERS
4. PRIMARY SCIENCE TEACHERS GUIDE BOOK 8 JKF PUBLISHERS
5. UNDERSTANDING SCIENCE PUPILS BOOK8 PUBLISHERS

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WEEK** | **LESSON** | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **TEACHER’S ACTIVITIES** | **EARNER’S ACTIVITIES** | **RESOURCES** | **REFERENCES** | **ASSESSMENT** | **REMARKS** |
| **1** | **REPORTING AND PREPARATION** |  |
| **2****3****4** | **1** | **Reproduction in human beings** | **Fertilization in human beings** | **By the end of this lesson the learner should be able to explain fertilization in human beings**  | **• Identifying essential parts** **• Explaining the role** **of sperms and ova in** **fertilization** **• Discussion**  | **• Identifying essential parts** **• Explaining the role** **of sperms and ova in** **fertilization** **• Discussion**  | **Photographs- - charts on** **the reproductive system****chart of reproductive system** | **Ps Pbk8 Pg2-10****PSTG bk8Pg2-6****SCIA - 8 pg 2-6****TG - 8 pg 2****US PB 8Pg3-4****US TG8Pg1-5** | **Drawing and labelling diagrams** |  |
| **2** |  | **Foetal development The zygote** | **By the end of this lesson the learner should be able to explain development of foetus in zygote stage**  | **• Identifying parts** **• Explaining the role** **of sperms and ova in** **fertilization** **• Discussing the** | **• Identifying parts** **• Explaining the role** **of sperms and ova in** **fertilization** **• Discussing the** | * **Photographs - charts on**

**the reproductive system** | **Ps Pbk8 Pg****PSTG bk8Pg****SCIA - 8 pg 2-6****TG - 8 pg 2****US PB 8Pg2-4****US TG8Pg1-5** | **Written exercise** |  |
| **3** |  | **Foetal development** **The embryo**  | **By the end of this lesson the learner should be able to discuss and explain development of foetus in embryo stage** | **• Identifying** **• Explaining** **• Discussing the**  | **• Identifying** **• Explaining** **• Discussing the**  | **Photographs and charts on** **the reproductive system** | **Ps Pbk8 Pg****PSTG bk8Pg****SCIA - 8 pg 2-6****TG - 8 pg 2****US PB 8Pg2-4****US TG8Pg1-3** | **Filling in blank spaces** |  |
| **4-5** |  | **Development of the foetus** | **By the end of this lesson the learner should be able to explain development of foetus in last stage (foetus)** | * **Explanation**
* **Discussion**
* **Observation**
 | * **Explanation**
* **Discussion**
* **Observation**
 | * **Chart**
* **Photographs**
* **Diagrams from the book**
 | **Ps Pbk8 Pg2-10****PSTG bk8Pg2-6****SCIA - 8 pg 2-6****TG - 8 pg 2****US PB 8Pg3-4****US TG8Pg1-3** | **Oral exercise**  |  |
| **1-2** |  | **The process of birth** | **By the end of this lesson the learner should be able to explain and describe the process of birth.**  | * **Description**
* **Demonstration**
* **Discussion**

 | * **Description**
* **Demonstration**
* **Discussion**

 | **chart of reproductive system*** **Photographs**

**Diagrams from the b** | **Ps Pbk8 Pg2-10****PSTG bk8Pg2-6****SCIA - 8 pg 2-6****TG - 8 pg 2****US PB 8Pg3-4****US TG8Pg1-3** | **Drawing and labelling diagrams** |  |
| **3** |  | **The process of birth** | **By the end of this lesson the learner should be able to explain and describe the process of birth.**  | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **chart**

**Diagrams from the book** | **Ps Pbk8 Pg2-10****PSTG bk8Pg2-6****SCIA - 8 pg 2-6****TG - 8 pg 2****US PB 8Pg3-4****US TG8Pg1-3** | **Written exercise** |  |
| **4** |  | **The process of birth** | **By the end of this lesson the learner should be able to explain and describe the process of birth.**  | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **chart**
* **Photographs**

**Diagrams from the book** **chart of reproductive system** | **Ps Pbk8 Pg2-10****PSTG bk8Pg2-6****SCIA - 8 pg 2-6****TG - 8 pg 2****US PB 8Pg35-40****US TG8Pg17** | **Filling in blank spaces** |  |
| **5** | **The Excretory system** | **The skin** | **By the end of this lesson the learner should be able to identify the skin as an excretory organ**  | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Photographs**

**Diagrams from the book****chart of reproductive system** | **Ps Pbk8 Pg10-15****PSTG bk8Pg6-8****SCIA - 8 pg 8-12****TG - 8 pg 2-7****US PB 8Pg5-8****US TG8Pg17** | **Oral exercise**  |  |
| **1** |  | **The skin** | **By the end of this lesson the learner should be able to name the waste products the skin helps to remove** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | **Diagrams from the book*** **Skin**
* **hide**
 | **Ps Pbk8 Pg10-15****PSTG bk8Pg6-8****SCIA - 8 pg 8-12****TG - 8 pg 2-7****US PB 8Pg5-8****US TG8Pg1-5** | **Drawing and labelling diagrams** |  |
| **2** |  | **The skin** | **By the end of this lesson the learner should be able to identify parts of the skin**  | * **Description**
* **Drawing**
* **Note taking**
* **Explanation**
* **Observation**
 | * **Description**
* **Drawing**
* **Note taking**
* **Explanation**
* **Observation**
 | * **chart**
* **Photographs**

**Diagrams from the book*** **hide**
 | **Ps Pbk8 Pg10-15****PSTG bk8Pg6-8****SCIA - 8 pg 8-12****TG - 8 pg 2-7****US PB 8Pg5-9****US TG8Pg7** | **Written exercise** |  |
| **3-5** |  | **The kidneys** | **By the end of this lesson the learner should be able to identify the kidney as an excretory**  | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**

**Observation** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**

**Observation** | * **chart**
* **Photographs**

**Diagrams from the book** | **Ps Pbk8 Pg10-15****PSTG bk8Pg6-8****SCIA - 8 pg 8-12****TG - 8 pg 2-7****US PB 8Pg35-40****US TG8Pg17** | **Filling in blank spaces** |  |
| **5** | **1** |  |  | **By the end of this lesson the learner should be able to name the waste products it helps to remove.** | * **Description**
* **Demonstration**
* **Discussion**
* **Drawing**
* **Note taking**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Drawing**
* **Note taking**
 | * **Diagrams from the book**
* **Picture**
 | **Ps Pbk8 Pg10-15****PSTG bk8Pg6-8****SCIA - 8 pg 8-12****TG - 8 pg 2-7****US PB 8Pg5-9****US TG8Pg7** | **Oral exercise**  |  |
|  | **2** |  |  | **By the end of this lesson the learner should be able to identify the external appearance of kidney.** | * **Description**
* **Demonstration**
* **Drawing**
* **Note taking**

**Observation** | * **Description**
* **Demonstration**
* **Drawing**
* **Note taking**

**Observation** | * **Diagrams from the book**

**Picture** | **Ps Pbk8 Pg10-15****PSTG bk8Pg6-8****SCIA - 8 pg 8-12****TG - 8 pg 2-7****US PB 8Pg8-12****US TG8Pg7-9** | **Drawing and labelling diagrams** |  |
| **6****7** | **3-5** | **Health education** | **Meaning of STD’S** | **By the end of this lesson the learner should be able to explain the meaning of sexually transmitted disease** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**

**Observation** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**

**Observation** | * **Diagrams from the book**

**Pictures** | **Ps Pbk8 Pg15-18****PSTG bk8Pg8-11****SCIA - 8 pg 12-15****TG - 8 pg 10-12****US PB 8Pg13-14****US TG8Pg11** | **Written exercise** |  |
| **1** |  |  | **By the end of this lesson the learner should be able to give examples of sexually transmitted disease** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Diagrams from the book**

**Pictures** | **Ps Pbk8 Pg15-18****PSTG bk8Pg8-11****SCIA - 8 pg 12-15****TG - 8 pg 10-12****US PB 8Pg13-14****US TG8Pg12** | **Filling in blank spaces** |  |
| **2** |  | **Gonorrhoea**  | **By the end of this lesson the learner should be able to name causes of gonorrhoea and discuss the preventive measure** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Diagrams from the book**
* **Pictures**
 | **Ps Pbk8 Pg15-18****PSTG bk8Pg8-11****SCIA - 8 pg 12-15****TG - 8 pg 10-12** | **Oral exercise**  |  |
| **3-4** |  | **Chancroid**  | **By the end of this lesson the learner should be able to name causes of Chancroid and discuss the preventive measure** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Diagrams from the book**
* **Pictures**
 | **Ps Pbk8 Pg15-18****PSTG bk8Pg8-11****SCIA - 8 pg 12-15****TG - 8 pg 10-12****US PB 8Pg15-****US TG8Pg12** | **Drawing and labelling diagrams** |  |
| **5** |  |  **Sexually transmitted diseases****Syphilis**  | **By the end of this lesson the learner should be able to name causes of syphilis and discuss the preventive measure**  | * **Description**
* **Demonstration**
* **Discussion**
* **Drawing**
* **Note taking**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Drawing**
* **Note taking**
 | * **Diagrams from the book**
* **Pictures**
 | **Ps Pbk8 Pg15-18****PSTG bk8Pg8-11****SCIA - 8 pg 12-15****TG - 8 pg 10-12****US PB 8Pg5-4****US TG8Pg12** | **Written exercise** |  |
| **1** |  |  **Sexually transmitted diseases** | **By the end of this lesson the learner should be able to discuss preventive measures for sexually transmitted infections**  | * **Description**
* **Drawing**
* **Note taking**
* **Explanation**
* **Observation**
 | * **Description**
* **Drawing**
* **Note taking**
* **Explanation**
* **Observation**
 | * **Diagrams from the book**
* **Picture**
 | **Ps Pbk8 Pg15-18****PSTG bk8Pg8-11****SCIA - 8 pg 12-15****TG - 8 pg 10-12** | **Filling in blank spaces** |  |
| **2-3** |  | **Control of HIV/ AIDS** | **By the end of this lesson the learner should be able to identify control measures of HIV/ AIDS** | * **Description**
* **Demonstration**
* **Discussion**
* **Drawing**
* **Note taking**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Drawing**
* **Note taking**
 | * **Diagrams from the book**
* **Pictures**
* **Posters**
 | **Ps Pbk8 Pg15-18****PSTG bk8Pg8-11****SCIA - 8 pg 12-15****TG - 8 pg 10-12****US PB 8Pg13-14****US TG8Pg13** | **Oral exercise**  |  |
| **4** |  |  | **By the end of this lesson the learner should be able to identify control measures of HIV/ AIDS** | * **Description**
* **Demonstration**
* **Discussion**
* **Drawing**
* **Note taking**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Drawing**
* **Note taking**
 | * **Diagrams from the book**
* **Pictures**
* **Posters**
 | **Ps Pbk8 Pg15-18****PSTG bk8Pg8-11****SCIA - 8 pg 12-15****TG - 8 pg 10-12****US PB 8Pg15-17****US TG8Pg12** | **Drawing and labelling diagrams** |  |
| **5** |  | **Mass education and the media** | **By the end of this lesson the learner should be able to identify control measures of HIV/ AIDS** | * **Demonstration**
* **Discussion**
* **Drawing**
* **Note taking**
 | * **Demonstration**
* **Discussion**
* **Drawing**
* **Note taking**
 | * **Diagrams from the book**
* **Pictures**
* **Posters**
 | **Ps Pbk8 Pg15-18****PSTG bk8Pg8-11****SCIA - 8 pg 12-15****TG - 8 pg 10-12****US PB 8Pg15-18****US TG8Pg13** | **Written exercise** |  |
| **1** | **Plants**  | **Adaptation of plants** | **By the end of this lesson the learner should be able to observe adaptive features of plants** | * **Drawing**
* **Nature walk**
* **Note taking**
* **Discussion**
 | * **Drawing**
* **Nature walk**
* **Note taking**
* **Discussion**
 | * **Diagrams from the book**
* **Picture**
 | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg15-16****US TG8Pg16** | **Filling in blank spaces** |  |
| **8** | **2** |  | **Adaptation of plants****Dry area** | **By the end of this lesson the learner should be able to explain how plants are adapted to dry area.** | * **Excursion**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Excursion**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Diagrams from the book**
* **Pictures**
* **Cactus**
 | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg15-16****US TG8Pg14** | **Oral exercise**  |  |
|  | **3-4** |  | **Adaptation of plants****Wet area** | **By the end of this lesson the learner should be able to explain how plants are adapted to wet environment.** | * **excursion**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **excursion**
* **Demonstration**
* **Discussion**
* **Explanation**
* **Observation**
 | * **Diagrams from the book**
* **Pictures**
* **Arrow root**
 | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19** | **Drawing and labelling diagrams** |  |
| **9** | **5** |  | **Adaptation of plants** | **By the end of this lesson the learner should be able to describe different ways in which plants defend themselves**  | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Diagrams from the book**
* **Pictures**
 | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg15-18****US TG8Pg14** | **Written exercise** |  |
| **1** |  | **Signs of unhealthy crops** | **By the end of this lesson the learner should be able to identify signs of unhealthy plants**  | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Diagrams from the book**
* **Pictures**
* **unhealthy plant**
 | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg15-17****US TG8Pg17** | **Filling in blank spaces** |  |
| **2** |  | **Effect of crop diseases** | **By the end of this lesson the learner should be able to observe effects of crop diseases in their habits around the school compound.** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Diagrams from the book**
* **Pictures**

**unhealthy plant** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Oral exercise**  |  |
| **3** | **Animals**  | **Feeding habits** | **By the end of this lesson the learner should be able to identify the different feeding habit of animals in the school environment**  | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
 | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
 | * **Diagrams from the book**
* **Pictures**
* **cow**
 | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **4-5** |  | **Feeding habit****herbivore** | **By the end of this lesson the learner should be able to describe the characteristics of herbivores and their feeding habit**  | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | **Excursion** **Hide/skin****Real animals****Pictures****Photograph** **Drawing** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Written exercise** |  |
| **10** | **1** |  | **Carnivores**  | **By the end of this lesson the learner should be able to explain the feeding habits of carnivores**  | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
 | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
 | **Excursion** **Pictures****Photograph** **Drawing** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Filling in blank spaces** |  |
|  | **2** |  | **Omnivores**  | **By the end of this lesson the learner should be able to explain the feeding habits of omnivores** | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
 | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
 | **Hide/skin****Pictures****Photograph** **Drawing** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Oral exercise**  |  |
|  | **3** |  | **Adaptation of beaks for feeding** | **By the end of this lesson the learner should be able to explain how grain eater beaks are adapted to their feeding habitats** | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
 | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
 | **Real animals** **Pictures****Photograph** **Drawing** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Drawing and labelling diagrams** |  |
|  | **4** |  | **Adaptation of beaks for feeding** | **By the end of this lesson the learner should be able to explain how filter feeder beaks are adapted to their feeding habitats** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **drawing**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **drawing**
 | **Pictures****Photograph** **Drawing**  | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Written exercise** |  |
|  | **5** |  | **Adaptation of beaks for feeding** | **By the end of this lesson the learner should be able to explain how fresh eater beaks are adapted to their feeding habitats** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**

**drawing** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**

**drawing** | **Pictures****Photograph** **Drawing** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Filling in blank spaces** |  |
|  | **1** |  | **Adaptation of beaks for feeding** | **By the end of this lesson the learner should be able to explain how nectar eater beaks are adapted to their feeding habitats** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **drawing**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **drawing**
 | **Pictures****Photograph** **Drawing** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Oral exercise**  |  |
| **11****12** | **2** |  | **Adaptation of animals to movement** | **By the end of this lesson the learner should be able to explain how flying animals are adapted to their way of moving.** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | **Excursion** **Pictures****Photograph** **Drawing** | **Ps Pbk8 Pg30-42****PSTG bk8Pg18-26****SCIA - 8 pg 28-40****TG - 8 pg 19-27****US PB 8Pg35-40****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **3** |  |  | **By the end of this lesson the learner should be able to explain how swimming animals are adapted to their way of moving.** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **drawing**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **drawing**
 | **Pictures****Photograph** **Drawing** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Written exercise** |  |
| **4-5** |  |  | **By the end of this lesson the learner should be able to explain how hopping and leaping animals are adapted to their way of moving.** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **drawing**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **drawing**
 | **Pictures****Photograph** **Drawing** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Filling in blank spaces** |  |
| **1** |  | **Livestock diseases** | **By the end of this lesson the learner should be able to identify signs of ill health in livestock.** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **drawing**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
* **drawing**
 | **Hide/skin****Pictures****Photograph** **Drawing** | **Ps Pbk8 Pg30-42****PSTG bk8Pg18-26****SCIA - 8 pg 28-40****TG - 8 pg 19-27****US PB 8Pg35-40****US TG8Pg17** | **Oral exercise**  |  |
| **2** |  | **Effects of diseases on livestock** | **By the end of this lesson the learner should be able to state the effect of ill health on livestock.**  | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | **Excursion** **Hide/skin****Real animals**  | **Ps Pbk8 Pg30-42****PSTG bk8Pg18-26****SCIA - 8 pg 28-40****TG - 8 pg 19-27****US PB 8Pg35-40****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **13** | * **REVISION**
 |  |
| **14** | **EXAMINATIONS** |  |
|  |  |  |  |  |  |  |  |  |  |  |

**SCIENCE SCHEMES OF WORK**

**STANDARD EIGHT**

**TERM II**

**REFERENCES:**

* + - 1. SCIENCE IN ACTION PUPILS BOOK8, OXFORD PUBLISHERS
			2. SCIENCE IN ACTION TEACHER’S GUIDE BOOK 8 OXFORD PUBLISHERS
			3. PRIMARY SCIENCE PUPILS BOOK8, JKF PUBLISHERS
			4. PRIMARY SCIENCE TEACHERS GUIDE BOOK 8 JKF PUBLISHERS
			5. UNDERSTANDING SCIENCE PUPILS BOOK8 PUBLISHERS

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WEKE** | **LSN** | **TOPIC** | **SUB TOPIC** | **OBJECTIVES** | **TEACHER’S ACTIVITIES** | **LEARNER’S ACTIVITIES** | **RESOURCES** | **REFERENCES** | **ASSESSMENT** | **REMARKS** |
| **1** | **REPORTING AND PREPARATION** |  |
| **2** |  | **Water**  | **Hard and soft water** | **By the end of this lesson the learner should be able to**1. **define hard and soft water**
 | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Drawing**
* **Note taking**
* **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | **Water****Salt****Source of heat** **Soap** | **Ps Pbk8 Pg30-42****PSTG bk8Pg18-26****SCIA - 8 pg 28-40****TG - 8 pg 19-27****US PB 8Pg35-40****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **2** |  | **Hard and soft water** | **By the end of this lesson the learner should be able to**1. **State the differences between hard and soft water.**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | **Water****Salt****Source of heat** **Soap** | **Ps Pbk8 Pg30-42****PSTG bk8Pg18-26****SCIA - 8 pg 28-40****TG - 8 pg 19-27****US PB 8Pg35-40****US TG8Pg17** | **Written exercise** |  |
| **3** |  | **Advantages of hard and soft water**  | **By the end of this lesson the learner should be able to describe the advantages hard and soft water.** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | **Water****Salt****Source of heat** **Soap** | **Ps Pbk8 Pg30-42****PSTG bk8Pg18-26****SCIA - 8 pg 28-40****TG - 8 pg 19-27****US PB 8Pg35-40****US TG8Pg17** | **Filling in blank spaces** |  |
| **4-5** |  | **disadvantages of hard and soft water**  | **By the end of this lesson the learner should be able to describe the disadvantages of hard and soft water.** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | **Water****Salt****Source of heat** **Soap** | **Ps Pbk8 Pg30-42****PSTG bk8Pg18-26****SCIA - 8 pg 28-40****TG - 8 pg 19-27****US PB 8Pg35-40****US TG8Pg17** | **Oral exercise**  |  |
| **3** | 1 |  | **Softening hard water** | **By the end of this lesson the learner should be able to soften hard water by boiling** | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**
 | **Water****Salt****Source of heat** **Soap** | **Ps Pbk8 Pg30-42****PSTG bk8Pg18-26****SCIA - 8 pg 28-40****TG - 8 pg 19-27****US PB 8Pg35-40****US TG8Pg17** | **Drawing and labelling diagrams** |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **3** | **1** | **ENVIRONMENT**  | **SOIL pollution**  | **By the end of this lesson the learner should be explain the meaning of soil pollution**  | * **Description**
* **Demonstration**
* **Discussion**
* **Explanation**

**Question and answer** | **Soil**  | **Ps Pbk8 Pg30-42****PSTG bk8Pg18-26****SCIA - 8 pg 28-40****TG - 8 pg 19-27** |  |  |
| **2** |  | **Effect of soil pollution**  | **By the end of this lesson the learner should be able to explain and describe the effect of soil pollution on plants**  | * **Description**
* **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Soil** **Charts** **Diagram from the book** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **3-4** |  | **Effect of soil pollution**  | **By the end of this lesson the learner should be able to explain and describe the effect of soil pollution on animals**  | * **Description**
* **Drawing**
* **Discussion**
* **Explanation**
 | **Soil** **Excursion**  | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Written exercise** |  |
| **5** |  | **Conservation**  | **By the end of this lesson the learner should be able to explain the meaning of soil conservation**  | * **Description**
* **Drawing**
* **Discussion**
* **Explanation**
 | **Soil** **Charts** **Diagram from the book** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Filling in blank spaces** |  |
| **4** | **1** |  |  | **By the end of this lesson the learner should be able to describe soil conservation method.** | * **Description**
* **Drawing**
* **Discussion**
* **Explanation**
 | **Charts** **Diagram from the book** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Oral exercise**  |  |
| **2** |  |  | **By the end of this lesson the learner should be able to describe soil conservation method.** | * **Description**
* **Drawing**
* **Discussion**
* **Explanation**
* **note taking**
 | **Soil** **Excursion** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Drawing and labelling diagrams** |  |
|  | **3-4** |  | **Air pollution**  | **By the end of this lesson the learner should be able to describe ways in which air is polluted**  | * **Description**
* **Drawing**
* **Discussion**
* **Explanation**

**note taking** | **Soil** **Charts** **Diagram from the book** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Written exercise** |  |
| **5** |  |  | **By the end of this lesson the learner should be able to describe ways in which air is polluted**  | * **Listening**
* **Drawing**
* **Discussion**
* **Explanation**

**note taking** | **Soot** **Soil dust** **Excursion** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Filling in blank spaces** |  |
| **5** | **1** |  | **Effect of air pollution** | **By the end of this lesson the learner should be able to explain the effect of air pollution on plants.** | * **Description**
* **Drawing**
* **Discussion**
* **Explanation**
 | **Soot** **Soil dust** **Charts** **Diagram from the book** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Oral exercise**  |  |
| **2-3** |  | **Effect of air pollution** | **By the end of this lesson the learner should be able to explain the effect of air pollution on animals** | * **Demonstration**
* **Drawing**
* **Discussion**
* **Explanation**
* **note taking**
 | **Soot** **Soil dust** **Excursion** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **4-5** |  | **Effect of air pollution** | **By the end of this lesson the learner should be able to explain the effect of air pollution on non-living things** | * **Demonstration**
* **Drawing**
* **Discussion**
* **Explanation**

**note taking** | **Soot** **Soil dust** **Excursion** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Written exercise** |  |
| **6** | **1** |  | **Controlling of air pollution** | **By the end of this lesson the learner should be able to explain ways of controlling air pollution**  | * **Demonstration**
* **Drawing**
* **Discussion**
* **Explanation**
* **note taking**
 | **Soot** **Soil dust** **Charts** **Diagram from the book** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Filling in blank spaces** |  |
| **2-3** |  | **Controlling of air pollution** | **By the end of this lesson the learner should be able to explain ways of controlling air pollution**  | * **Demonstration**
* **Drawing**
* **Discussion**
* **Explanation**

**note taking** | **Soot** **Soil dust** **Excursion** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Oral exercise**  |  |
| **4-5** |  | **Maintaining and use of resources**  | **By the end of this lesson the learner should be able to appreciate the need to maintain and use environment wisely**  | * **Demonstration**
* **Drawing**
* **Discussion**
* **Explanation**

**note taking** | **Soot** **Soil dust** **Charts** **Diagram from the book** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **7** | **1** |  | **Maintaining and use of resources**  | **By the end of this lesson the learner should be able to appreciate the need to maintain and use environment wisely**  | * **Demonstration**
* **Drawing**
* **Discussion**
* **Explanation**
* **Observation**
 | **Soot** **Soil dust** **Charts** **Diagram from the book** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Written exercise** |  |
| **2-3** |  | **Maintaining and use of resources**  | **By the end of this lesson the learner should be able to appreciate the need to maintain and use environment wisely**  | * **Drawing**
* **Discussion**
* **Explanation**

**Observation** | **Soot** **Soil dust** **Excursion** | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Filling in blank spaces** |  |
| **8****9** | **4-5** | **FOOD AND NUTRITION**  | **Nutrition requirement**  | **By the end of this lesson the learner should be able to explain and identify special group of people**  | * **Demonstration**
* **Drawing**
* **Discussion**
* **Explanation**
* **Nature walk**
 | * **Different types of food**
 | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Oral exercise**  |  |
| **MID TERM EXAMINATION** |  |  |
| **1** |  | **Pregnant mother** | **By the end of this lesson the learner should be able to identify nutrition requirements for pregnant mother**  | * **Drawing**
* **Discussion**
* **Explanation**

**Nature walk** | **Different types of food**  | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Written exercise** |  |
| **2-3** |  | **Lactating mother** | **By the end of this lesson the learner should be able to identify nutrition requirements for lactating mother**  | * **Drawing**
* **Discussion**
* **Explanation**
* **Question and answer**
 | **Different types of food**  | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** |  |  |
|  |  | **Lactating mother** | **By the end of this lesson the learner should be able to identify nutrition requirements for lactating mother**  |  | **Different types of food**  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **10****11** | **1-2** |  | **infants** | **By the end of this lesson the learner should be able to identify nutrition requirements for infants**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Different types of food**  | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **3** |  | **infants** | **By the end of this lesson the learner should be able to identify nutrition requirements for infants**  | * **Drawing**
* **Discussion**
* **Explanation**
* **Question and answer**
 | **Different types of food**  | **Ps Pbk8 Pg18-30****PSTG bk8Pg11-18****SCIA - 8 pg 17-28****TG - 8 pg 12-19****US PB 8Pg25-30****US TG8Pg17** | **Written exercise** |  |
| **4-5** |  | **Breast milk**  | **By the end of this lesson the learner should be able to identify nutrition value of breast milk**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Different types of food**  | **Ps Pbk8 Pg48-60****PSTG bk8Pg11-118****SCIA - 8 pg 117-128****TG - 8 pg 52-59****US PB 8Pg4049****US TG8Pg17** | **Filling in blank spaces** |  |
| **1** |  | **People with HIV/AIDS** | **By the end of this lesson the learner should be able to identify nutrition requirements for people with HIV/AIDS**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book** | **Ps Pbk8 Pg48-60****PSTG bk8Pg11-118****SCIA - 8 pg 117-128****TG - 8 pg 52-59****US PB 8Pg4049****US TG8Pg17** | **Oral exercise**  |  |
| **2-3** |  | **People with HIV/AIDS** | **By the end of this lesson the learner should be able to identify nutrition requirements for people with HIV/AIDS**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book** | **Ps Pbk8 Pg48-60****PSTG bk8Pg11-118****SCIA - 8 pg 117-128****TG - 8 pg 52-59****US PB 8Pg4049****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **4** | **A**  | **People with HIV/AIDS** | **By the end of this lesson the learner should be able to identify nutrition requirements for people with HIV/AIDS**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book** | **Ps Pbk8 Pg48-60****PSTG bk8Pg11-118****SCIA - 8 pg 117-128****TG - 8 pg 52-59****US PB 8Pg4049****US TG8Pg17** | **Written exercise** |  |
| **5** |  | **Softening hard water** | **By the end of this lesson the learner should be able to soften hard water by boiling** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book** | **Ps Pbk8 Pg48-60****PSTG bk8Pg11-118****SCIA - 8 pg 117-128****TG - 8 pg 52-59****US PB 8Pg4049****US TG8Pg17** | **Filling in blank spaces** |  |
| **12** | **1** | **Water**  | **Hard and soft water** | **By the end of this lesson the learner should be able to** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book** | **Ps Pbk8 Pg48-60****PSTG bk8Pg11-118****SCIA - 8 pg 117-128****TG - 8 pg 52-59****US PB 8Pg4049****US TG8Pg17** | **Oral exercise**  |  |
| **2** |  |  |  |  |  |  |  |  |
| **13** | **REVISION** |  |  |
| **14** | **EXAMINATION** |  |  |

**SCIENCE SCHEMES OF WORK**

**STANDARD EIGHT**

**TERM III**

**REFERENCES:**

1. SCIENCE IN ACTION PUPILS BOOK8, OXFORD PUBLISHERS
2. SCIENCE IN ACTION TEACHER’S GUIDE BOOK 8 OXFORD PUBLISHERS
3. PRIMARY SCIENCE PUPILS BOOK8, JKF PUBLISHERS
4. PRIMARY SCIENCE TEACHERS GUIDE BOOK 8 JKF PUBLISHERS
5. UNDERSTANDING SCIENCE PUPILS BOOK8 PUBLISHERS

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WEEK** | **LESSON** | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **TEACHER’S ACTIVITIES** | **LEARNER’S ACTIVITIES** | **REFERENCES** | **RESOURCES** | **ASSESSMENT** | **REMARKS** |
| **1** | **REPORTING AND PREPARATION** |  |
| **2** | **1** | **Food poisoning** | **Food poisoning** | **By the end of this lesson the learner should be able to state the causes of food poisoning**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Different types of food** **Charts** **Diagram from the book** | **Ps Pbk8 Pg48-60****PSTG bk8Pg11-118****SCIA - 8 pg 117-128****TG - 8 pg 52-59****US PB 8Pg4049****US TG8Pg17** | **Written exercise** |  |
| **2-3** |  |  | **By the end of this lesson the learner should be able to state the causes of food poisoning chemical**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Different types of food** **Charts** **Diagram from the book** | **Ps Pbk8 Pg48-60****PSTG bk8Pg11-118****SCIA - 8 pg 117-128****TG - 8 pg 52-59****US PB 8Pg4049****US TG8Pg17** | **Filling in blank spaces** |  |
| **4** |  |  | **By the end of this lesson the learner should be able to state the causes of food poisoning ,micro-organism**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Different types of food**  | **Ps Pbk8 Pg48-60****PSTG bk8Pg11-118****SCIA - 8 pg 117-128****TG - 8 pg 52-59****US PB 8Pg4049****US TG8Pg17** | **Oral exercise**  |  |
| **5** |  | **Food poisoning** | **By the end of this lesson the learner should be able to discuss ways of prevention food poisoning**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Different types of food**  | **Ps Pbk8 Pg48-60****PSTG bk8Pg11-118****SCIA - 8 pg 117-128****TG - 8 pg 52-59****US PB 8Pg4049****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **3** | **1** |  | **Food poisoning** | **By the end of this lesson the learner should be able to discuss the prevention of food poisoning**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Different types of food** **Charts** **Diagram from the book** | **Ps Pbk8 Pg48-60****PSTG bk8Pg11-118****SCIA - 8 pg 117-128****TG - 8 pg 52-59****US PB 8Pg4049****US TG8Pg17** | **Written exercise** |  |
| **2** | **Energy**  | **Meaning of energy** | **By the end of this lesson the learner should be able to state the meaning of energy**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **3** |  | **Meaning of energy** | **By the end of this lesson the learner should be able to discuss the situations in which energy is used.**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Written exercise** |  |
| **4-5** |  | **Meaning of energy** | **By the end of this lesson the learner should be able to discuss the situations in which energy is used** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Filling in blank spaces** |  |
| **1-2** |  | **Types of energy****light energy**  | **By the end of this lesson the learner should be able to describe and discuss light energy.** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Oral exercise**  |  |
| **4** | **3** |  | **Types of energy****Heat energy**  | **By the end of this lesson the learner should be able to describe and discuss heat energy.** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book****Source of heat** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **5****5****6** | **4** |  | **chemical energy** | **By the end of this lesson the learner should be able to describe and discuss chemical energy.**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book****Cells**  | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Written exercise** |  |
| **5** |  | **Sound energy** | **By the end of this lesson the learner should be able to describe and discuss sound energy.**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book****Drums**  | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Filling in blank spaces** |  |
| **1-2** |  |  | **By the end of this lesson the learner should be able to describe sound and chemical energy.**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book****Batteries**  | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Oral exercise**  |  |
| **3** |  | **Electrical energy** | **By the end of this lesson the learner should be able to describe electrical energy.** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book****Magnet** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **4** |  | **magnetic energy** | **By the end of this lesson the learner should be able to describe magnetic energy.** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts** **Diagram from the book****Magnet**  | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Written exercise** |  |
| **5** |  | **Energy transformations** | **By the end of this lesson the learner should be able to describe energy transformations in an electric circuit** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts on energy transformation****Diagram from the book** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Filling in blank spaces** |  |
| **1** |  | **Energy transformations** | **By the end of this lesson the learner should be able to describe energy transformations in food**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts on energy transformation****Diagram from the book** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Oral exercise**  |  |
| **2-3** |  | **Energy transformations** | **By the end of this lesson the learner should be able to describe energy transformations in burning fuel** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts on energy transformation****Diagram from the book** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **4** |  | **Energy transformations** | **By the end of this lesson the learner should be able to describe energy transformations in a radio**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Charts on energy transformation****Diagram from the book** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **5** |  | **Energy transformations** | **By the end of this lesson the learner should be able to describe energy transformations in a simple electromagnet**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Model** **Charts on energy transformation****Diagram from the book** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Written exercise** |  |
| **7** | **MID TERM EXAMINATIONS** |  |
| **8****9****10** | **1** |  | **Energy conservation** | **By the end of this lesson the learner should be able to state the methods of conserving energy.** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Model** **Charts on energy conservation**  | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Filling in blank spaces** |  |
| **2** |  | **Energy conservation** | **By the end of this lesson the learner should be able to explain how to conserve energy by using energy sparingly** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Model** **Charts** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Oral exercise**  |  |
| **3** |  | **Energy conservation** | **By the end of this lesson the learner should be able to explain how to conserve energy by using energy efficient devices** | * **Drawing**
* **Discussion**
* **Explanation**
* **Question and answer**
 | * **Drawing**
* **Discussion**
* **Explanation**
* **Question and answer**
 | **Model** **Charts** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **4-5** |  | **Energy conservation** | **By the end of this lesson the learner should be able to explain how to conserve energy by using renewable energy**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Model** **Charts** | **Ps Pbk8 Pg120-153****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg53-60****US TG8Pg17** | **Written exercise** |  |
| **1** |  **MAKING WORK EASIER Simple machines** | **The inclined plane** | **By the end of this lesson the learner should be able to investigate how inclined planes make work easier.**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Model** **Charts** | **Ps Pbk8 Pg160-170****PSTGbk8Pg11-118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg125-130****US TG8Pg17** | **Drawing and labelling diagrams** |  |
| **2-3** |  | **The inclined plane****Ladder**  | **By the end of this lesson the learner should be able to investigate how ladder make work easier**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Model** **Charts****Ladder**  | **Ps Pbk8 Pg160-170****PSTGbk8Pg111118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg125-130****US TG8Pg17** | **Written exercise** |  |
| **4** |  | **The inclined plane****Road winding up** | **By the end of this lesson the learner should be able to investigate how road winding up hill make work easier**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Model** **Charts** **Road winding up** | **Ps Pbk8 Pg160-170****PSTGbk8Pg111118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg125-130****US TG8Pg17** | **Filling in blank spaces** |  |
| **5** |  | **The inclined plane****Staircase**  | **By the end of this lesson the learner should be able to investigate how staircases make work easier.**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Model** **Charts****Staircases** | **Ps Pbk8 Pg160-170****PSTGbk8Pg111118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg125-130****US TG8Pg17** | **Oral exercise**  |  |
| **1** | **Single fixed pulley**  | **The single fixed pulley** | **By the end of this lesson the learner should be able to investigate how a single fixed pulley makes work easier**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Model** **Charts****Flag post** | **Ps Pbk8 Pg160-170****PSTGbk8Pg111118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg125-130****US TG8Pg17** | **Drawing and labelling diagrams** |  |
|  | **2-3** |  | **The single fixed pulley** | **By the end of this lesson the learner should be able to investigate how a single fixed pulley makes work easier**  | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | * **Drawing**
* **Discussion**
* **Explanation**

**Question and answer** | **Model** **Charts****Flag post** | **Ps Pbk8 Pg160-170****PSTGbk8Pg111118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg125-130****US TG8Pg17** | **Written exercise** |  |
|  | **4-5** |  | **The single fixed pulley** | **By the end of this lesson the learner should be able to investigate how a single fixed pulley makes work easier**  | * **Drawing**
* **Discussion**
* **Explanation**
* **Question and answer**
 | * **Drawing**
* **Discussion**
* **Explanation**
* **Question and answer**
 | **Model** **Charts****Flag post** | **Ps Pbk8 Pg160-170****PSTGbk8Pg111118****SCIA 8 pg 137-148****TG - 8 pg 92-99****US PB 8Pg125-130****US TG8Pg17** |  |  |
| **11** | **1-5** | **REVISION** |  |
| **12** |  | **EXAMINATIONS** |  |
| **13** |  | **MARKING EXAMINATIONS** |  |