**Science schemes of work for standard \_\_6\_\_\_\_\_TERM\_\_\_1\_\_\_YEAR\_\_\_\_\_\_\_\_**

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| **WEEK** | **LESSON** | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **ACTIVITIES** | **RESOURCES** | **REFERENCES** | **REMARKS** |
| **1** |  |  |  |  |  |  |  |  |
| **1**  **2** | **1** | **Reproductive system** | **Parts of reproductive system** | **By the end of this topic the learner should be able to identify the parts of the reproductive system.** | * **Discussion** * **Explanation** * **Demonstrating diagrams** * **Note taking** | * **Chart** * **Photographs**   **Diagrams from the book** | **-SCIA - 6 pg 2**  **-TG - 6 pg 2**  **-PSC-6 PB pg2**  **-TG-6 pg2** |  |
| **2** |  | **Female part** | **By the end of this topic the learner should be able to identify and name the female parts of reproductive system.** | * **Discussion** * **Explanation** * **Demonstrating diagrams** * **Observation** | **Photographs and charts on**  **The parts of reproductive system** | **SCIA - 6 pg 2--4**  **TG -6 pg 2**  **-PSC-6 PB pg3**  **-TG-6 pg2** |  |
| **3** |  | **Male part** | **By the end of this topic the learner should be able to identify the male part of reproductive system** | * **Discussion** * **Explanation** * **Demonstrating diagrams** * **Note taking** | **Photographs and charts on**  **The parts of reproductive system** | **SCIA - 6 pg 5**  **TG - 6 pg 7**  **-PSC-6 PB pg5**  **-TG-6 pg** |  |
| **4** |  | **Functions of the ovary** | **By the end of this topic the learner should be able to identify and describe functions of the ovaries** | * **Drawing** * **Explanation** * **Demonstrating diagrams** | **Photographs and charts on**  **The parts of reproductive system** | **SCIA – 6 pg 6**  **TG - 6 pg 3**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **5** |  | **Functions of the oviduct** | **By the end of this topic the learner should be able to identify function oviduct** | * **Discussion** * **Explanation** * **Demonstrating diagrams** * **Note taking** | **Photographs and charts on**  **The parts of reproductive system** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **3** | **1** |  | **Functions of the uterus** | **By the end of this topic the learner should be able to identify and describe functions of the uterus and vagina** | * **Discussion** * **Explanation** * **Demonstrating diagrams** * **Note taking** | **Photographs and charts on**  **The parts of reproductive system** | **SCIA – 6 pg8**  **SCIA – 6 pg 7**  **TG - 6 pg 4** |  |
| **2** |  | **The testis** | **By the end of this topic the learner should be able to describe testis as part of male reproductive system and its functions.** | * **Discussion** * **Explanation** * **Demonstrating diagrams** * **Note taking** | **Photographs and charts on**  **The parts of reproductive system** | **SCIA – 6 pg 8**  **TG - 6 pg 8**  **-PSC-6 PB pg4**  **-TG-6 pg5** |  |
| **3** |  | **The urethra and penis** | **By the end of this topic the learner should be able to describe urethra and penis as part of male reproductive system and its functions.** | * **Discussion** * **Explanation** * **Demonstrating diagrams** * **Drawing** | **Photographs and charts on**  **The parts of reproductive system** | **SCIA – 6 pg 4-8**  **TG - 6 pg 5**  **-PSC-6 PB pg8**  **-TG-6 pg5** |  |
| **4** | **Changes during adolescence** | **Changes in boys** | **By the end of this topic the learner should be able to identify and describe physical changes in boys** | * **Discussion** * **Explanation** * **Demonstrating diagrams** * **Note taking** | **Photographs and charts on**  **The parts of reproductive system** | **SCIA – 6 pg 8**  **TG - 6 pg 5**  **-PSC-6 PB pg9**  **-TG-6 pg6** |  |
| **5** |  | **Changes in girls** | **By the end of this topic the learner should be able to identify and describe physical changes in girls** | * **Discussion** * **Explanation** * **Demonstrating diagrams** * **Note taking** | **Photographs and charts on**  **The parts of reproductive system** | **SCIA – 6 pg 8**  **TG - 6 pg 5**  **-PSC-6 PB pg9**  **-TG-6 pg6** |  |
| **4** | **1** |  | **Changes in boys and girls** | **By the end of this topic the learner should be able to identify and describe physical changes in boys and girls** | * **Discussion** * **Explanation** * **Demonstrating diagrams** * **Note taking** | **Photographs and charts on**  **The parts of reproductive system** | **SCIA – 6 pg 8**  **TG - 6 pg 7**  **-PSC-6 PB pg9**  **-TG-6 pg6** |  |
| **2** | **Health education** | **Common communicable disease** | **By the end of this topic the learner should be able to identify some common communicable disease** | * **Discussion** * **Explanation** * **Demonstrating diagrams** * **Note taking** | **Photographs and Poster**  **Pictures**  **Charts** | **SCIA – 6 pg 8**  **TG - 6 pg 4**  **-PSC-6 PB pg9**  **-TG-6 pg4** |  |
| **3** |  | **Common communicable disease** | **By the end of this topic the learner should be able to describe the cause common communicable disease** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Photographs and Poster**  **Pictures**  **Charts** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg9**  **-TG-6 pg8** |  |
| **4** |  | **Common communicable disease** | **By the end of this topic the learner should be able to describe the signs and symptoms of common communicable disease** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Photographs and Poster**  **Pictures**  **Charts** | **SCIA – 6 pg 8**  **TG - 6 pg 4**  **-PSC-6 PB pg9**  **-TG-6 pg8** |  |
| **5** |  | **Common communicable disease** | **By the end of this topic the learner should be able to describe the prevention measures of common communicable disease** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Immunization chart**  **Poster**  **Pictures**  **Charts** | **SCIA – 6 pg 7**  **TG - 6 pg 49**  **-PSC-6 PB pg6**  **-TG-6 pg8** |  |
| **5** | **1** |  | **Immunization** | **By the end of this topic the learner should be able to describe the immunization schedule for infants** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Immunization chart**  **Poster**  **Pictures**  **Charts** | **SCIA – 6 pg 10**  **TG - 6 pg 4**  **-PSC-6 PB pg11**  **-TG-6 pg9** |  |
| **2** |  | **Immunization** | **By the end of this topic the learner should be able to describe the immunization schedule for infants** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Immunization chart**  **Poster**  **Pictures**  **Charts** | **SCIA – 6 pg 10**  **TG - 6 pg 4**  **-PSC-6 PB pg11**  **-TG-6 pg11** |  |
| **3** |  | **Immunization** | **By the end of this topic the learner should be able to describe other immunization diseases** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Immunization chart**  **Poster**  **Pictures**  **Charts** | **SCIA – 6 pg 10**  **TG - 6 pg 12**  **-PSC-6 PB pg12**  **-TG-6 pg11** |  |
| **4** |  | **HIV/ AIDS testing** | **By the end of this topic the learner should be able to state the importance of HIV/AIDS testing** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Poster**  **Pictures**  **Charts** | **SCIA – 6 pg 11**  **TG - 6 pg 4**  **-PSC-6 PB pg14**  **-TG-6 pg12** |  |
| **5** |  | **Effect of HIV to individual** | **By the end of this topic the learner should be able to identify and describe the effect of HIV/AIDS to individual** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Poster**  **Pictures**  **Charts** | **SCIA – 6 pg 14**  **TG - 6 pg 4**  **-PSC-6 PB pg14**  **-TG-6 pg13** |  |

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| **6** | **1** |  | **Effect of HIV to family** | **By the end of this topic the learner should be able to identify and describe the effect of HIV/AIDS to family** | * **Discussion** * **Discussion** * **Explanation** * **Demonstrating diagrams** | **Poster**  **Pictures**  **Charts** | **SCIA – 6 pg 15**  **TG - 6 pg 14**  **-PSC-6 PB pg16**  **-TG-6 pg14** |  |
| **2** |  | **Effect of HIV to nation** | **By the end of this topic the learner should be able to identify and describe the effect of HIV/AIDS to nation** | * **Explanation** * **Discussion** * **Explanation** * **Demonstrating diagrams** | **Tobacco**  **Cigarette**  **Medicine**  **Tea**  **Coffee**  **Beer bottle**  **posters** | **SCIA – 6 pg 17**  **TG - 6 pg 14**  **-PSC-6 PB pg16**  **-TG-6 pg14** |  |
| **8** | **1** | **Plants** | **Plant**  **Growth and reproduction** | **By the end of this topic the learner should be able to state and draw and label parts of a flower** | * **Explanation** * **Discussion** * **Explanation** * **Demonstrating diagrams** | **Poster**  **Pictures**  **Charts** | **S SCIA – 6 pg 17**  **TG - 6 pg 14**  **-PSC-6 PB pg16**  **-TG-6 pg14** |  |
| **2** |  | **Pollination** | **By the end of this topic the learner should be able to describe the process of pollination** | * **Demonstrating diagrams** | **Soil**  **Plants**  **water**  **Charts** | **SCIA – 6 pg 18**  **TG - 6 pg 14**  **-PSC-6 PB pg21**  **-TG-6 pg16** |  |
| **3** | **Plants** | **Fertilization** | **By the end of this topic the learner should be able to describe the process of fertilization** | * **Discussion** * **Explanation** * **Demonstrating diagrams** | **Soil**  **Plants**  **water**  **Charts** | **SCIA – 6 pg 19**  **TG - 6 pg 18**  **-PSC-6 PB pg6**  **-TG-6 pg17** |  |
| **4** |  | **Fertilization** | **By the end of this topic the learner should be able to describe the process of fertilization** | * **Discussion** * **Explanation** * **Demonstrating diagrams** | **Soil**  **Plants**  **water**  **Charts** | **SCIA – 6 pg 17**  **TG - 6 pg 17**  **-PSC-6 PB pg20**  **-TG-6 pg17** |  |
| **5** |  | **Parts of monocot** | **By the end of this topic the learner should be able to state and draw and label parts of a seed** | * **Discussion** * **Explanation** * **Demonstrating diagrams** | **Soil**  **Plants**  **Water, seed**  **Charts** | **SCIA – 6 pg 19**  **TG - 6 pg 18**  **-PSC-6 PB pg16**  **-TG-6 pg15** |  |

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| **9** | **1** | |  | **Parts of dicot** | **By the end of this topic the learner should be able to state and draw and label parts of a dicot seed** | * **Discussion** * **Explanation** * **Demonstrating diagrams** | **Soil**  **Plants**  **water**  **Charts** | **SCIA – 6 pg 19**  **TG - 6 pg 13**  **-PSC-6 PB pg20**  **-TG-6 pg18** |  |
| **2** | |  | **Parts of monocot** | **By the end of this topic the learner should be able to state and draw and label parts of a seed** | * **Discussion** * **Explanation** * **Demonstrating diagrams** | **Soil**  **Plants**  **water**  **Charts** | **SCIA – 6 pg 21**  **TG - 6 pg 22**  **-PSC-6 PB pg23**  **-TG-6 pg24** |  |
| **3** | |  | **Germination**  **Water** | **By the end of this topic the learner should be able to investigate the conditions necessary for germination** | * **Discussion** * **Explanation** * **Demonstrating diagrams** | **Soil**  **Plants**  **water**  **Charts** | **SCIA – 6 pg 22**  **TG - 6 pg 24**  **-PSC-6 PB pg23**  **-TG-6 pg4** |  |
| **4** | |  | **Germination**  **warmth** | **By the end of this topic the learner should be able to investigate the conditions necessary for germination** | * **Discussion** * **Explanation** * **Demonstrating chart** | **Soil**  **Plants**  **Water, seed**  **Charts** | **SCIA – 6 pg 26**  **TG - 6 pg 24**  **-PSC-6 PB pg26**  **-TG-6 pg24** |  |
| **5** | |  | **Germination**  **oxygen** | **By the end of this topic the learner should be able to investigate the conditions necessary for germination** | * **Explanation Discussion** * **Explanation** * **Demonstrating** | **Soil**  **Plants**  **Water, seed**  **Charts** | **SCIA – 6 pg2 7**  **TG - 6 pg 24**  **-PSC-6 PB pg26**  **-TG-6 pg24** |  |
| **10** | **1** | | **Weather and solar system** | **Solar system** | **By the end of this topic the learner should be able to name nine planet in the solar system** | * **Demonstrating diagrams** | **Charts of solar system** | **SCIA – 6 pg 27**  **TG - 6 pg 25**  **-PSC-6 PB pg26**  **-TG-6 pg24** |  |
| **2** | |  | **Solar system** | **By the end of this topic the learner should be able to name nine planet in the solar system** | * **Note taking Discussion** * **Explanation** | **Charts of solar system** | **SCIA – 6 pg 29**  **TG - 6 pg 26**  **-PSC-6 PB pg28**  **-TG-6 pg28** |  |
| **3** | |  | **Solar system** | **By the end of this topic the learner should be able to model nine planet in the solar system** | * **Discussion** * **Explanation** * **Demonstrating chart** | **Charts of solar system** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **4-5** | | **Animals** | **Animal feeds** | **By the end of this topic the learner should be able to identify types of food for life stock** | * **Explanation Discussion** * **Explanation** * **Demonstrating chart** | **Hay**  **Pasture**  **Fodder**  **Commercial feed** | **SCIA – 6 pg 34**  **TG - 6 pg 32**  **-PSC-6 PB pg36**  **-TG-6 pg34** |  |
| **5** | |  | **Grazing method** | **By the end of this topic the learner should be able to identify grazing methods. Zero grazing** | * **Demonstrating diagrams** | **Hay**  **Pasture**  **Fodder**  **Commercial feed** | **SCIA – 6 pg 37**  **TG - 6 pg 34**  **-PSC-6 PB pg36**  **-TG-6 pg34** |  |
| **11** | | **1** |  | **Grazing method** | **By the end of this topic the learner should be able to identify grazing methods. strip** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Hay**  **Pasture**  **Fodder**  **Commercial feed** | **SCIA – 6 pg 37**  **TG - 6 pg 34**  **-PSC-6 PB pg36**  **-TG-6 pg43** |  |
| **2** |  | **Grazing method** | **By the end of this topic the learner should be able to identify grazing methods. paddock** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Hay**  **Pasture**  **Fodder**  **Commercial feed** | **SCIA – 6 pg 38**  **TG - 6 pg 40**  **-PSC-6 PB pg36**  **-TG-6 pg34** |  |
| **3** |  | **Grazing method** | **By the end of this topic the learner should be able to identify grazing methods. Tethering** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Hay**  **Pasture**  **Fodder**  **Commercial feed** | **SCIA – 6 pg 39**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **4** |  | **Grazing method** | **By the end of this topic the learner should be able to identify grazing methods. herding** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Hay**  **Pasture**  **Fodder**  **Commercial feed** | **SCIA – 6 pg 40**  **TG - 6 pg39**  **-PSC-6 PB pg43**  **-TG-6 pg40** |  |
| **5** |  | **Constituent of balance diet** | **By the end of this topic the learner should be able to describe and list composition of a balance diet** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Hay**  **Pasture**  **Fodder**  **Commercial feed** | **SCIA – 6 pg 42**  **TG - 6 pg 4**  **-PSC-6 PB pg43**  **-TG-6 pg40** |  |
| **12**  **13** | | **1** |  | **Constituent of balance diet** | **By the end of this topic the learner should be able to describe and list composition of a balance diet** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Hay**  **Pasture**  **Fodder**  **Commercial feed** | **SCIA – 6 pg 43**  **TG - 6 pg 4**  **-PSC-6 PB pg43**  **-TG-6 pg4** |  |
| **2-5** |  | **Revision** | **By the end of this topic the learner should be able to revise and answer questions on the topics he/she covered in the term** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **pictures** | **SCIA – 6 pg 1-44**  **TG - 6 pg 4-40**  **-PSC-6 PB pg1-6**  **-TG-6 pg2-39** |  |

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| **14** |  |  | **Examination** |  | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Answering** | **Charts**  **Pictures**  **Question papers** |  |  |
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**Science schemes of work**

**Science schemes of work for standard \_\_\_6\_\_\_\_TERM\_\_\_2\_\_\_\_YEAR\_\_\_\_\_\_\_\_**

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| **WEEK** | **LESSON** | | **TOPIC** | | | **SUB-TOPIC** | **OBJECTIVES** | | **ACTIVITIES** | **RESOURCES/** | **REFERENCES** | **REMARKS** | |
| **1** | **1** | | **Water** | | | **Water borne diseases** | **By the end of this topic the learner should be able to explain the meaning of water borne disease** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg43**  **TG - 6 pg 39**  **-PSC-6 PB pg46**  **-TG-6 pg41** |  | |
| **2** | |  | | | **Cholera** | **By the end of this topic the learner should be able to identify and explain cholera as a waterborne disease** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg43**  **TG - 6 pg 39**  **-PSC-6 PB pg46**  **-TG-6 pg41** |  | |
| **3** | |  | | | **Typhoid** | **By the end of this topic the learner should be able to identify and explain typhoid as a waterborne disease** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg44**  **TG - 6 pg 40**  **-PSC-6 PB pg47**  **-TG-6 pg42** |  | |
| **4** | |  | | | **Bilhalzia** | **By the end of this topic the learner should be able to identify and explain bilharzia as a waterborne disease** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Resource person** | **SCIA – 6 pg 47**  **TG - 6 pg 44**  **-PSC-6 PB pg48**  **-TG-6 pg43** |  | |
| **5** | |  | | | **Signs and symptoms** | **By the end of this topic the learner should be able to identify and explain signs and symptoms of a waterborne disease** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg 47**  **TG - 6 pg 43**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **3** | **1** | |  | | | **Preventive measures** | **By the end of this topic the learner should be able to explain ways of preventing some water borne diseases** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg 48**  **TG - 6 pg 44**  **-PSC-6 PB pg47**  **-TG-6 pg44** |  | |
| **2** | |  | | | **Preventive measures** | **By the end of this topic the learner should be able to explain ways of preventing some water borne diseases** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **3** | |  | | | **Preventive measures** | **By the end of this topic the learner should be able to explain ways of preventing some water borne diseases** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **4** | | **Soil** | | | **Soil erosion** | **By the end of this topic the learner should be able to explain meaning of soil erosion** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **5** | |  | | | **Soil erosion**  **Wind** | **By the end of this topic the learner should be able to explain and describe agents of soil erosion** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **4** | **1** | |  | | | **Soil erosion**  **water** | **By the end of this topic the learner should be able to explain and describe agents of soil erosion** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **2** | |  | | | **Types of Soil erosion**  **Splash** | **By the end of this topic the learner should be able to explain and describe splash as types of soil erosion** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **3** | |  | | | **Types of Soil erosion**  **rill** | **By the end of this topic the learner should be able to explain and describe rill as types of soil erosion** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Diorama** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **4** | |  | | | **Types of Soil erosion**  **Sheet** | **By the end of this topic the learner should be able to explain and describe sheet as types of soil erosion** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Trip to dam** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **5** | |  | | | **Types of Soil erosion**  **gully** | **By the end of this topic the learner should be able to explain and describe gully as types of soil erosion** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Water** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **5**  **6** | **1-2** | | **Food and nutrition** | | | **Preservation** | **By the end of this topic the learner should be able to explain and describe smoking as a method of food preservation** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Fish,**  **Meat**  **Grain** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **3** | |  | | | **Drying** | **By the end of this topic the learner should be able to explain and describe drying as a method of food preservation** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Fish,**  **Meat**  **Grain** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **1** | |  | | | **Low temperature** | **By the end of this topic the learner should be able to explain and describe use of low temperature as a method of food preservation** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Fish,**  **Meat**  **Grain** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **2-3** | |  | | | **Canning** | **By the end of this topic the learner should be able to explain and describe canning as a method of food preservation** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Fish,**  **Meat**  **Grain** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **4-5** | |  | | | **Honey and salting** | **By the end of this topic the learner should be able to explain and describe use of honey and salting as a method of food preservation** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Fish,**  **Meat**  **Grain** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **8** | **1** | |  | | | **Proper storage** | **By the end of this topic the learner should be able to explain and describe proper as a method of food preservation** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Fish,**  **Meat**  **Grain** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **2** | |  | | | **traditional methods** | **By the end of this topic the learner should be able to explain and describe traditional method of food preservation** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Fish,**  **Meat**  **Grain**  **Fruits** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **3** | |  | | | **Modern methods** | **By the end of this topic the learner should be able to explain and describe modern l method of food preservation** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Fish,**  **Meat**  **Grain**  **Fruits** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **4** | |  | | |  | **By the end of this topic the learner should be able to revise the topic food preservation** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Fish,**  **Meat**  **Grain**  **Fruits** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **5** | |  | | |  | **By the end of this topic the learner should be able to revise the topic food preservation** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Fish,**  **Meat**  **Grain**  **Fruits** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  | |
| **11**  **12** | **1** | | **Energy** | | | **Light** | **By the end of this topic the learner should be able to indentify and describe how light travel** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glasses water, mirror**  **Torch, shinny surface** | **SCIA – 6 pg60- 70**  **TG - 6 pg 46-53**  **-PSC-6 PB pg50**  **-TG-6 pg58** |  | |
| **2** | |  | | | **Light** | **By the end of this topic the learner should be able to indentify and describe how light travel** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glasses water, mirror**  **Torch, shinny surface** | **SCIA – 6 pg60- 70**  **TG - 6 pg 46-53**  **-PSC-6 PB pg50**  **-TG-6 pg58** |  | |
| **3** | |  | | | **Transparent** | **By the end of this topic the learner should be able to identify transparent material** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glasses water, mirror**  **Torch, shinny surface** | **SCIA – 6 pg60- 70**  **TG - 6 pg 46-53**  **-PSC-6 PB pg50**  **-TG-6 pg58** |  | |
| **4-5** | |  | | | **Transparent** | **By the end of this topic the learner should be able to identify transparent material** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glasses water, mirror**  **Torch, shinny surface** | **SCIA – 6 pg60- 70**  **TG - 6 pg 46-53**  **-PSC-6 PB pg50**  **-TG-6 pg58** |  | |
| **1-5** | |  | | | **Translucent** | **By the end of this topic the learner should be able to identify translucent material** | | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glasses water, mirror**  **Torch, shinny surface** | **SCIA – 6 pg60- 70**  **TG - 6 pg 46-53**  **-PSC-6 PB pg50**  **-TG-6 pg58** |  | |
| **13** | | **1-5** | |  | **Revision** | | | **By the end of this topic the learner should be able to revise and answer questions on the topics he/she covered in the term** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Charts**  **Pictures**  **Question papers** | **SCIA – 6 pg60- 70**  **TG - 6 pg 46-53**  **-PSC-6 PB pg50**  **-TG-6 pg58** |  |
| **14** | |  | |  | **Examination** | | |  | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Answering** | **Charts**  **Pictures**  **Question papers** |  |  |
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**Science schemes of work**

**Science schemes of work for standard \_\_\_6\_\_\_\_TERM\_\_\_3\_\_\_\_YEAR\_\_\_\_\_\_\_\_**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WEEK** | **LESSON** | **TOPIC** | | **SUB-TOPIC** | **OBJECTIVES** | **ACTIVITIES** | **RESOURCES/** | **REFERENCES** | **REMARKS** |
| **1**  **2** | **1** |  | | **Translucent** | **By the end of this topic the learner should be able to identify translucent material** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glasses water, mirror**  **Torch, shinny surface** | **SCIA – 6 pg60- 70**  **TG - 6 pg 46-53**  **-PSC-6 PB pg50**  **-TG-6 pg58** |  |
| **2-3** |  | | **Opaque** | **By the end of this topic the learner should be able to identify to opaque materials** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glasses water, mirror**  **Torch, shinny surface** | **SCIA – 6 pg60- 70**  **TG - 6 pg 46-53**  **-PSC-6 PB pg50**  **-TG-6 pg58** |  |
| **45** |  | | **Opaque** | **By the end of this topic the learner should be able to identify to opaque materials** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glasses water, mirror**  **Torch, shinny surface** | **SCIA – 6 pg60- 70**  **TG - 6 pg 46-53**  **-PSC-6 PB pg50**  **-TG-6 pg58** |  |
| **1** |  | | **Reflection of light** | **By the end of this topic the learner should be able to investigate and demonstrate reflection of light** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Torch Glasses, water, mirror**  **Torch, shinny surface** | **SCIA – 6 pg60- 71**  **TG - 6 pg 46-53**  **-PSC-6 PB pg50**  **-TG-6 pg58** |  |
| **3-4** |  | | **Reflection of light** | **By the end of this topic the learner should be able to investigate and demonstrate reflection of light using a source of light and smooth shinny surface** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glasses, water, mirror**  **Torch, shinny surface** | **SCIA – 6 pg 72**  **TG - 6 pg 54**  **-PSC-6 PB pg60**  **-TG-6 pg54** |  |
| **3**  **4** | **1** |  | | **Refraction of light** | **By the end of this topic the learner should be able to investigate and demonstrate refraction of light** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glass of water**  **Pencil**  **A Bottle** | **SCIA – 6 pg 73**  **TG - 6 pg 54**  **-PSC-6 PB pg61**  **-TG-6 pg54** |  |
| **2** |  | | **Refraction of light** | **By the end of this topic the learner should be able to investigate and demonstrate refraction of light** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glass of water**  **Pencil**  **A Bottle of water** | **SCIA – 6 pg 73**  **TG - 6 pg 54**  **-PSC-6 PB pg68**  **-TG-6 pg4** |  |
| **1-2** |  | | **Apparent Bending of light** | **By the end of this topic the learner should be able to discuss safety demonstrate apparent bending of light in air** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glass of water**  **Pencil**  **A Bottle of water** | **SCIA – 6 pg 73**  **TG - 6 pg 64**  **-PSC-6 PB pg69**  **-TG-6 pg59** |  |
| **3** |  | | **Apparent Bending of light** | **By the end of this topic the learner should be able to discuss safety demonstrate apparent bending of light in air** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glass of water**  **Pencil**  **A Bottle of water**  **ruler** | **SCIA – 6 pg 73**  **TG - 6 pg 64**  **-PSC-6 PB pg69**  **-TG-6 pg61** |  |
| **4-5** |  | | **Rainbow** | **By the end of this topic the learner should be able to discuss safety demonstrate on making a rain bow** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Glass of water**  **Torch , mirror**  **A Bottle of water**  **ruler** | **SCIA – 6 pg 74**  **TG - 6 pg 66**  **-PSC-6 PB pg69**  **-TG-6 pg63** |  |
| **5** | **1** |  | | **Revision** | **By the end of this topic the learner should be able to answer the questions under the topic energy correctly** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Pencil**  **Wires**  **Chart** | **SCIA – 6 pg 74**  **TG - 6 pg 66**  **-PSC-6 PB pg70**  **-TG-6 pg67** |  |
| **WEEK** | **LESSON** | **TOPIC** | | **SUB-TOPIC** | **OBJECTIVES** | **ACTIVITIES** | **RESOURCES/** | **REFERENCES** | **RMRKS** |
| **6** | **1** | **Properties of matter** | | **Composition of air** | **By the end of this topic the learner should be able to identify the components of air .** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Seed**  **Candle fire**  **Chart**  **plastic** | **SCIA – 6 pg 75**  **TG - 6 pg 70**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **2** |  | |  | **By the end of this topic the learner should be able to identify the composition of air in percentage** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Chart** | **SCIA – 6 pg 76**  **TG - 6 pg 70**  **-PSC-6 PB pg73**  **-TG-6 pg4** |  |
| **3** |  | | **Oxygen** | **By the end of this topic the learner should be able to state uses of oxygen as component of air** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Seed**  **Candle fire**  **Chart** | **SCIA – 6 pg 76**  **TG - 6 pg 67**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **4** |  | |  | **By the end of this topic the learner should be able to state uses of carbon dioxide as component of air** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Chart**  **Candle**  **soda** | **S SCIA – 6 pg 77**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **5** |  | |  | **By the end of this topic the learner should be able to state uses of nitrogen as component of air** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Chart**  **Leguminous plant** | **SCIA – 6 pg 77**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
|  | **1** |  | |  | **By the end of this topic the learner should be able to state uses of inert gases as component of air** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Electric bulb** | **SCIA – 6 pg 78**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **8**  **9** | **1-3** |  | | **Revision** | **By the end of this topic the learner should be able to revise and answer question in the mid term examination** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Revision paper**  **Books** | **SCIA – 6 pg 78**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **4-5** |  | |  | **By the end of this topic the learner should be able to revise and answer question in the mid term examination** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Revision paper**  **Books** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **1-5** |  | |  | **By the end of this topic the learner should be able to revise and answer question in the mid term examination** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Revision paper**  **Books** | **SCIA – 6 pg 7**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **10**  **11** | **1-2** | **Making work easier** | | **Movement** | **By the end of this topic the learner should be able to move an object** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Ball bearing**  **Oil**  **Grease**  **Glossy surface**  **Rough surface**  **Treads** | **SCIA – 6 pg 79**  **TG - 6 pg 65**  **-PSC-6 PB pg76**  **-TG-6 pg63** |  |
| **3** |  | |  | **By the end of this topic the learner should be able to stop a moving object from moving** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Ball bearing**  **Oil**  **Grease**  **Glossy surface**  **Rough surface**  **Treads** | **SCIA – 6 pg 80**  **TG - 6 pg 4**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **4-5** |  | | **Force** | **By the end of this topic the learner should be able to explain the meaning of force** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Ball bearing**  **Oil**  **Grease**  **Glossy surface**  **Rough surface**  **Treads** | **SCIA – 6 pg82**  **TG - 6 pg 74**  **-PSC-6 PB pg6**  **-TG-6 pg4** |  |
| **1-2** |  | |  | **By the end of this topic the learner should be able to identify Newton as units for measuring force** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Spring balance** | **SCIA – 6 pg 83**  **TG - 6 pg 64**  **-PSC-6 PB pg78**  **-TG-6 pg74** |  |
| **3** |  | |  | **By the end of this topic the learner should be able to identify Newton as units for measuring force** | * **Discussion** * **Explanation** * **Demonstrating diagrams**   **Note taking** | **Ball bearing**  **Oil**  **Grease**  **Glossy surface**  **Rough surface**  **Treads** | **SCIA – 6 pg 83**  **TG - 6 pg 66**  **-PSC-6 PB pg86**  **-TG-6 pg74** |  |
| **12** | **1** | |  |  | **By the end of this topic the learner should be able to revise and answer question in the term examination** | * **Discussion** * **Explanation** * **Answering** |  | **SCIA – 7 pg 2-100**  **TG - 7 pg2-52**  **-PSC-7 PB pg2-129**  **-TG-7 pg70** |  |
| **13** |  | |  |  | **By the end of this topic the learner should be able to revise and answer question in the term examination** | * **Discussion** * **Explanation** * **Answering** |  |  |  |