**SCHEME OF WORK OF SET PRIMARY SIX**

**NORTHERN PROVINCE**

**DISTRICT: RULINDO**

**SECTOR: SHYORINGI**

**ACADEMIC YEAR: 2023 – 2024**

**SUBJECT: SET**

**CLASS: PRIMARY SIX(P6)**

**TEACHER'S NAME: ……………………………………………………… SCHOOL………………………………………………………..**

 **TERM I**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WEEKS&DATES** | **UNIT TITLE** | **CONTENT/LESSONS/EVALUATION** | **RESSOURCES &REFERENCES** | **LEARNING ACTIVITIES** | **OBSERVATION** |
| **Week 1****25-29/09/2023** | **Unit 1:Mechanics and blacksmith tools** | ▪Examination correction▪The common Mechanics tools | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Observation: in class, to display a and match them with range of blacksmith tools and learners try to name them their use |  |
| **Week2****02-06/10/2023** |  | ▪The common Blacksmith tools▪Use and maintenance of mechanics and blacksmiths tools▪Unit Review Exercises |  | ▪Practical work about the use and care for mechanics and blacksmith tools.▪Group discussion and presentation on the use and maintenance of mechanics, blacksmith tools and giving reasons. |  |
| **Week3****09-13/10/2023** | **Unit 2:Simple machines** | ▪Definition of simple machines▪Types of simple machines▪Safety in the use of simple machines | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Differentiate a simple machine from other materials/tools▪Discover the types and characteristics of simple machines. |  |
| **Week4****16-20/10/2023** |  | ▪levers▪Unit Review Exercises |  | ▪Group work to use simple machines according to classes to discover the position of fulcrum, load and effort.▪Classify different tools in classes of levels. |  |
| **Week5****23-27/10/2023** | **Unit 3****Objects production** | ▪Making toys▪Making utility objects in threads▪Making learning materials in paper and manila paper▪Maintenance of utility and learning objects▪Unit Review Exercises | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Collecting clay and wires to make toys objects.▪Collecting threads, needle or lancelet and scissors to make utility objects.▪Collecting papers, manila paper and scissors to make learning objects individually. |  |
| **Week6****30/10-03/11/2023** | **Unit 4****Writing skills** | ▪WORD PROCESSING▪Identification of elements of Gnome environment▪Working with a document▪Folder management | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Class exercises to create and rename a folder on the desktop.▪Practice selecting a program, setting date and time, connecting to the network and switching back to sugar interface.▪Exercises on how to copy a file into a folder, delete, move, copy and paste file/folder.▪Practice the use of bold,Italic,Underline and apply colors to text |  |
| **Week7****06-10/11/2023** |  | ▪Elements of Abiword Window▪Text formatting▪Definition and role of spreadsheets▪Spreadsheet environment |  | ▪Practicing saving and opening a file in/from different locations▪Exercise to explore basic features of a spreadsheet environment. |  |
| **Week8****13-17/11/2023** |  | ▪Worksheet basics▪Modifying columns, rows and cell▪Formatting cells and worksheets▪Mathematical operators▪Unit Review exercises |  | ▪Individual exercises to insert data into cells and apply indicated manipulation.▪Practice and apply arithmetical operations on numerical data… |  |
| **Week9****20-24/11/2023** | **Unit5****Computer research** | ▪Introduction to search engine▪Search engine techniques | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Practice on different search Engines to find data and information using keyword and phrase searching techniques. |  |
| **Week10****27/11-01/12/2023** |  | ▪Types of search engines▪Example and search engines▪Unit Review Exercises |  | ▪Exercises on classifying types of search Engines.▪Practice copying and editing the results form searched information |  |
| **Week11****04-08/12/2023** |  **GENERAL REVISION** |
| **Week12****11-15/12/2023** |  **EXAMINATION PERIOD AND SUPERVISION OF EXAMINATION** |
| **Week13****18-22/12/2023** |  **MARKING , MAKING SCHOOL REPORTS AND CLOSING THE FIRST TERM** |

 **TERM II**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WEEKS&DATES** | **UNIT TITLE** | **CONTENT/LESSONS/EVALUATION** | **RESSOURCES &REFERENCES** | **LEARNING ACTIVITIES** | **OBSERVATION** |
| **Week 1****08-12/01/2024** | **Unit6****Programming for children** | ▪Turtle art for displaying things▪Draw irregular polygons▪Programming animations and computing in scratch▪Working with the stage | Science and Elementary Technology pupil’s book primary 6Spotlight &Laxmi publications | ▪Organize instructions to display different images, numbers videos or texts.▪practice drawing shapes and calculating their area.▪Individual exercises to organize multiple backgrounds.▪Practice to create funny games and animations |  |
| **Week 2****15-19/01/2024** | **Programming for children** | ▪Create stories to animation▪Scratch with mathematics▪Identification of elements of Toys environment▪E toys book▪Toys projects and animation▪Unit Review Exercises | Science and Elementary Technology pupil’s book primary 6Spotlight &Laxmi publication | ▪Practice carrying out different mathematical operations.▪individual practice on writing Etoys books or a diary.▪Group discussion on the use of Etoys in daily life… |  |
| **Week 3****22-26/01/2024** | **Unit7:****Air pollution** | ▪Definition of air pollution▪Common air pollutants▪sources of common air pollutants▪Consequences of polluted air▪Protection of air against air pollutants▪Unit Review Exercises | Science and Elementary Technology pupil’s book primary 6Spotlight &Laxmi publications | ▪Field visit and group discussion aiming to discover air pollutants and their sources.▪Group discussions on the consequences of polluted air and on the way to protect against it.▪Make an experiment to pollute air contained in a plastic bag using dust or fumes observe and discuss how to avoid air pollution. |  |
| **Week 4****29/01-02/02/2024** | **Unit8:****Animals** | ▪Characteristics of a good cowshed/goat shelter ▪Types of cows/goat breeds▪Characteristics of cattle/goat breed to rear▪Proper feeding of cattle▪Cattle health sanitation conditions | Science and Elementary Technology pupil’s book primary 6Spotlight &Laxmi publications | ▪Field visits of different cattle/goat farms▪Group discussion about the types of cattle/goat breeds.▪Discussion on good feeding and hygiene for cattle/goat.▪Group discussion about how to keep a flock healthy. |  |
| **Week 5****05-09/02/2024** |  | ▪Common diseases of cattle/goat▪Prevention of cow/goat diseases▪Importance of cattle/goat farming▪Unit Review Exercises |  | ▪Group discussion about cattle/goat diseases and their prevention.▪Group discussion about the socio-economic importance of cow/goat breeding. |  |
| **Week 6****12-16/03/2024** | **Unit9:****Plant reproduction** | ▪Identification parts of a complete flower▪Definition of plant reproduction▪Sexual and asexual reproduction of plants▪Reasons for plants reproduction▪Unit Review Exercises | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Collecting different samples of flowers in the school surroundings, dissect a complete flower and observe its parts.▪Group discussion: In small groups discuss the various ways in which plants reproduce (sexual and asexual) and communicate finding.▪Practical: perform the multiplication of some plants using asexual reproduction techniques: |  |
| **Week 7****19-23/02/2024** | **Unit 10:****Sustainable waste management** | ▪Classification of waste ▪Sources of waste▪Waste management techniques▪Unit Review exercises | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Visit school surroundings to discover Hazardous, Organic and Recyclable materials.▪Group work and presentation on how different types of waste can be transformed and utilized.▪Group work and presentation on several sources of waste.▪Collecting garbage around the school, discuss and apply the proper garbage collection techniques.▪Group work and presentation on different waste management techniques.▪Discuss and apply some of waste management techniques. |  |
| **Week 8****26/02-01/03/2024** | **Unit 11:****Circulatory system** | ▪Main function of circulatory system▪Organs of circulatory system▪Structure of the heart▪The process of blood circulation▪Component of blood▪Caring for our bodies and health▪Diseases/conditions of circulatory system▪Blood pressure measurement▪Unit Review Exercises | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Group discussion about the main function of circulatory system.▪Observation of wall charts or other learning support, the circulatory system.▪Group discussion: The function of the heart.▪Draw and discuss the functioning of the circulatory system.▪Group discussion on hygiene of the heart.▪Role play: First aid in case of external hemorrhage. |  |
| **Week 9****04-08/03/2024** | **Unit 12:****Respiration system**  | ▪Main function of respiration system▪Identification of organs of the respiration system▪Mechanism of respiration▪Good health practices and behaviors▪Diseases of respiratory system▪Suffocation▪Unit Review Exercises | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Group discussion about the main function of respiratory system.▪Observation of wall charts or other learning support the respiration system and draw it in the exercise book.▪Group discussion: The mechanism of breathing▪Role play: Perform an experiment to show the movement of the thorax and diaphragm during inspiration and expiration.▪Group discussion on various about suffocation.▪Do experiment to show the effect of smoking. |  |
| **Week10****11-15/03/2024** |  **GENERAL REVISION** |
| **Week 11****18-22/03/2024** |  **EXAMINATION PERIOD AND SUPERVISION OF EXAMINATION** |
| **Week12****25-29/03/2024** |  **MARKING, MAKING SCHOOL REPORTS AND CLOSING THE SECOND TERM** |

 **TERM III**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WEEKS&DATES** | **UNIT TITLE** | **CONTENT/LESSONS/EVALUATION** | **RESSOURCES &REFERENCES** | **LEARNING ACTIVITIES** | **OBSERVATION** |
| **Week 1****15-19/04/2024** | **Unit 13:****Reproductive system** | ▪Main function of reproductive system▪Male reproductive organs▪Female reproductive organs | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Group discussion about the main function of reproductive system.▪Drawing and labelling the male and female reproductive system.▪Discuss on function of major parts of the reproductive system. |  |
| **Week 2****22-26/04/2024** |  | ▪Preventing unplanned pregnancy▪Sexually transmitted infection |  | ▪Group discussion on ways of avoiding unwanted pregnancy. |  |
| **Week 3****29/04-03/05/2024** |  | ▪Means of transmission of common STIs/HIV▪Identification of various ways for STIs/HIV transmission |  | ▪Discussion on how STIs and HIV/AIDS are transmitted and can be prevented.▪Demonstrate the correct use of condom.▪Role plays about sexual behavior and decision making to practice communication, negotiation and refusal skill.▪Group discussion about living positively with HIV and AIDS. |  |
| **Week 4****06-10/05/2024** | **Unit 14: Energy****Management** | . Definition of energy. Forms of energy (and examples). EnergyTransformation/energyConversation. Importance of energy.Source of energy | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Group discussion about the definition and forms of energy.▪Working small groups to discuss the types of energy transformation.▪Field trip:▪In groups, discuss the economic impact of the use of energy.▪Research from library books and search engines on the different sources of energy. |  |
| **Week 5****13-17/05/2024** |  | ▪Renewable energy▪Some renewable energy▪Advantage of using renewable energy▪Unit Review Exercises |  | ▪Group discussions aiming to discover the existence of renewable energies.▪Visiting to observe and discuss on a biogas installation.▪Visiting to observe and discuss on a solar power installation▪Group discussion aiming to discover advantages of using renewable energy |  |
| **Week 6****20-24/05/2024** | **Unit 15: Magnetism** | ▪Types of magnets▪Composition of magnets: iron or steels▪Characteristics of magnets▪Magnetic forces and materials | Science and Elementary Technology pupil’s book primary 6Spotlight&Laxmi publications | ▪Research from library books and search engines to discover types of magnets, the composition of magnets and their characteristics▪Experiment aiming to the classification of different objects in no magnets and magnetics materials;▪Make a temporary magnetGathering supplies; a paperclip or small nail and a permanent magnet: Rubbing the magnet against the paperclip/nail: Moving it in the same direction, rather than back and forth. Using the same quick motion, you would use to light a match and continue rubbing the paperclip with the magnet about 50 times as quickly as you can; Touching the paperclip / nail against another smaller piece of metal (like a needle) and observe |  |
| **Week 7****27-31/5/2024** | ▪Definition of magnetic field▪Magnetic compass and its uses▪Uses of magnets▪Unit Review Exercises |  | ▪ Investigate the magnetic field using a permanent magnet, a white sheet of paper and iron filings.▪ Investigating the use of magnetic compass.▪Make a compass needle using a magnetized sewing needle or safety pin, a bowl or jar, some water, and a coin-sized cross section of cork, magnetize the needle, insert the needle in the cork, float the compass and observe.▪Finding a lost needle/ nail into the soil /grass. |  |
| **Week 8****03-07/06/2024** | **Unit 16:****States of matter** | ▪Definition of matter▪Identification of differences between the three states of matter▪Identification of changes between the three states of matter in water | Science and Elementary Technology pupil’s book primary 6Spotlight &Laxmi publications | ▪Experiment: Measure mass and volume of different materials using appropriate apparatus.▪Investigate the relationship between the augmentation and diminution of water temperature and the state of water.▪Investigation and group discussion on classification of materials according to their shape and their volume |  |
| **Week 9****10-14/06/2024** |  | ▪ Melting, freezing and boiling points of water▪Changes in states of water in the water cycle▪Transformation of states of matter▪Unit Review Exercises |  | ▪Investigate the physical change of heated ice and cooled water vapor and measure the melting point of water.▪Group discussions aiming to compare state of water in the water cycle.▪Investigation of change between the three state of matter in Naphthalene / iodine due to the increase of temperature. |  |
| **Week10****17-21/06/2024** |  **GENERAL REVISION** |
| **Week 11****24-28/06/2024** |  **EXAMINATION PERIOD AND SUPERVISION OF EXAMINATION** |
| **Week12****01-05/07/2024** |  **MARKING , MAKING SCHOOL REPORTS AND CLOSING YEAR(THIRD TERM)** |
| **Week13****08-12/07/2024** |  **PNLE** |