**REPUBLIC OF RWANDA**

**KIGALI CITY**

**GASABO DISTRICT**

**SCHEME OF WORK ACADEMIC YEAR:2022/2023 SCHOOL:………………………………………………………**

 **TEACHER’S NAME:…………………………………………….**

**SUBJECT: SET**

**CLASS:P5**

**TERM:I**

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| **WEEKS& DATES** | **UNIT TITLE** | **CONTENT/LESSONS AND EVALUATION** | **RESOURCES&REFERENCES** | **LEARNERS ACTIVITIES** | **OBSERVATION** |
| **Week1****26-30/09/2022** | **Unit1:****Carpentry tools(8 periods)** | Revision▪Identification of carpentry tools▪Usage of carpentry tools | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Group discussion to differentiate various carpentry tools according to their various usages |  |
| **Week2****03-07/10/2023** | ▪Maintenance of carpentry tools▪Dangers of carpentry tools and security measures▪Unit Review Exercises |  | ▪Visiting a wood/ timber workshop and practice the usage and maintenance of carpentry tools |  |
| **Week3****10-14/10/2023** | **Unit2:****Masonry tools(6periods)** | ▪Identification of masonry tools▪Usage and maintenance of masonry tools▪Dangers of masonry tools▪Unit Review Exercises | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Group discussion to differentiate various masonry tools according to their various usages▪Visiting a construction sites and practice to use and maintain some masonry tools |  |
| **Week4****17-21/10/2023** | **Unit3:****Objects production(14 periods)** | ▪Toys▪Utility objects▪Learning materials  | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Collecting sorghum straws & sticks to make toys,▪Collecting wood,chisel,sisal,spoke-shave and saw to make utility objects |  |
| **Week5****24-28/10/2023** |  | ▪Maintenance of of utility and learning objects▪Unit Review Exercises | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Collecting papers,manilla paper and scissor to make learning objects individually. |  |
| **Week6****31/10-04/11/2023** | **Unit4:****Computer my friend(9 periods)** | ─Memory,storage and data sharing▪Data and memory▪External storages▪Sharing a document▪Unit Review Exercises | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Exercises of typing a text into a computer and practice saving the text in different locations.▪Activity- a short story to type in Exercises on saving and retrieving information from the different external storage devices.▪Activity:Draw a picture in paint ▪Practice copying a file from a computer to an external device and vice versa▪Activity: Design an invitation to a party.▪Practice sharing of the files or a document with friends.▪Activity: use invitation or story. |  |
| **Week7****07-11/11/2023** | **Unit5****Writing skills(8periods)** | ▪Create and insert tables▪Insert picture and image▪Unit Review Exercises | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Individual work exercises for creating tables and typing data into a table.▪Practice with deleting,adding and resizing rows and columns▪practice on inserting images and resizing photos and images▪Group work on creating and editing a school News paper. |  |
| **Week8****14-18/11/2023** | **Unit6:****Computer research(8periods)** | ▪E-mail account▪Browse activity▪Unit Review Exercises | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Individual practice on creating emails,login and logout▪Exercises on writing,sending and reading emails▪Activity:Email to wish your friend happy birthday.▪Group/pairs/individually exercises on navigating and using the browse Activity. |  |
| **Week 9**21-25/11/2023 | **Unit7:Programming for children(20periods)** | ▪Drawing regular geometric shapes▪Arithmetic operations | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Group discussion on calculating areas and perimeters of the regular shapes▪Practice drawing regular shapes by sequencing the blocks correctly |  |
| **Week10****28/11-02/12/2023** |  | ▪Creating dialogue and cartoons▪Unit Review Exercises |  | ▪Individual work to perform calculations▪In pairs or individually work on exercises to create dialogues according to a given topic |  |
| **Week11****05-09/12/2021** | **GENERAL REVISION** |
| **Week12****12-16/12/2023** | **EXAMINATION PERIOD AND SUPERVISION OF EXAMINATION** |
| **Week 13****19-23/12/2023** | **MARKING, MAKING SCHOOL REPORTS AND CLOSING THE FIRST TERM** |

**TERM II**

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| **Week1****09-13/01/2023** | **Unit8:****Water(16periods)** | ▪Identification of importance of water▪Identification of sources of water▪Identification of sources of water | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Group discussion to identify the importance of water▪Field visits and group discussions to identify various sources of water▪Investigation to discover the properties of water.▪Investigation to discover a simple water cycle.▪Field visits and group discussions to outline effects of rain water on the environment▪Field visits and group discussions to outline the methods of protecting the environment from rain water.▪Plant trees and make ditches in the school surrounding |  |
| **Week2****16-20/01/2023** |  | ▪Identification of properties of water▪Rain water▪Identification of water pollutants▪Dangers of water pollution▪Prevention of water pollution |  | ▪Plant anti-erosive plants in the school garden▪Visiting various sources of water to identify water pollutants▪Group discussions to identify the dangers of water pollution and ways of preventing it water pollution▪Group discussions aiming to identify the water purification methods |  |
| **Week3****23-27/01/2023** | ▪Water purification methods▪Making a water filter▪Water storage▪Unit Review Exercises |  | ▪Performing experiments of purification of water▪Make a water filter and practice its utilization.▪Discuss ways of storing water▪Role play |  |
| **Week4****30/01-03/02/2023** | **Unit9:****Soil(14periods)** | ▪Preparation of soil for cultivation▪Fertilization of soil for cultivation▪Importance of fertilizer▪Rules of applying fertilizers▪Unit Review Exercises | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Practical and hands-on activity:▪Practical group work▪Investigation on the effect of a specific type of fertilizer on the plant growth.After a certain period of time,each group is asked to report and present the results of their project▪Group work:carry out a research on precautions during the use of fertilizer |  |
| **Week5****06-10/02/2023** | **Unit10:Animals(12 periods)** | ▪Conditions of good chicken house▪Types of breeds▪Reproduction of chickens▪Proper feeding of chickens | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Field visits of different chicken farms,make observations and group discussion to outline the conditions of a good chicken house.▪Group discussion about the types of chicken breeds.▪Group discussion on practicing good feeding and hygiene for chicken |  |
| **Week6****13-17/13/2027** | ▪Chicken diseases▪Prevention of chicken diseases▪Importance of chicken farming▪Chicken farming process▪Unit Review Exercises |  | ▪Making group discussion on chicken diseases and mode of preventing them▪Making group discussion on the importance of poultry farming. |  |
| **Week7****20-24/02/2023** | **Unit11:****Plants and environment(10periods)** | ▪Identification of importance of plants▪Common importance of trees on environment▪Other importance of trees▪Effect of afforestation and deforestation on the environment▪Unit Review Exercises | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Group discussions aiming to identify different importance of plants.▪Group discussions aiming to identify importance of trees in general and on environment.▪Group discussions aiming to identify the importance,causes and effects of afforestation and deforestation.Group discussions aiming to identify the ways of conservation of trees.▪Planting trees in the school surroundings to maintain environment. |  |
| **Week8****27/02-03/03/2023** | **Unit12:****Digestive system(10 periods)** | ▪Function of digestive system▪Parts and function of digestive system▪Identification of stages of digestion▪Hygiene of digestion▪Components of balance diet | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Observation▪Group work to discuss on the digestion process,▪Collect various groups of food and prepare balanced diet |  |
| **Week9****06-10/03/2023** | ▪Elements of balance diet▪Nutritional deficiency diseases and their prevention▪Preparation of a balanced diet▪Unit Review Exercises |  | ▪Group work to collect various groups of food in order to identify components of balanced diet.▪Group work to prepare and eat balanced diet. |  |
| **Week 10****13-17/03/2023** | **GENERAL REVISION** |
| **Week11****20-24/03/2023** | **EXAMINATION PERIOD AND SUPERVISION OF EXAMINATION** |
| **Week12****27-31/03/2023** | **MARKING, MAKING SCHOOL REPORTS AND CLOSING THE SECOND TERM** |

**TERM III**

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| **Week1****17-21/04/2023** | **Unit13****Reproductive system(20periods)****Unit 13****Reproductive system** | ▪Human reproductive system▪Hygiene of Female genital organs | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Group work to discuss function of reproductive system.▪Group discussions in order to describe how to clean male and female genital organs. |  |
| **Week2****24-28/04/2023** | ▪Hygiene of Male genital organs▪Sexual characteristics at puberty |  | ▪Group discussion on what physical changes take place in girls/boys during adolescence. |  |
| **Week3****01-05/05/2023****Week4****08-12/05/2023** | ▪Puberty characteristics in girls▪Puberty characteristics in boys▪Safe responsible behavior▪Love and infatuation▪Unit Review Exercises |  | ▪Activity:love or infatuation |  |
| **Week5****15-19/05/2023** | **Unit14:****Light(7periods)** | ▪Light propagation▪Types of medium for light transmission | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Collecting cardboards,torch,to experiment on how light travels in a straight line.▪Collecting different materials to investigate how the light travel through different media |  |
| **Week6****22-26/05/2023** | ▪Laws of light propagation▪Unit Review Exercises |  | ▪Collecting different materials to carry out experiment about reflection and refraction. |  |
| **Week7****29/05-02/06/2023** | **Unit15****Electricity(9periods)** | ▪Importance of electricity▪Production of electricity▪Common tools used in electricity▪Common materials used in electricity | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Field trip of area where electricity is extensively used to produce various goods and group discussion of the importance of electricity.▪Experiment on production of electricity using a simple dynamo.▪Collecting materials and construct simple circuit. |  |
| **Week8****05-09/06/2023** | ▪Simple electric circuit▪Controlling electric circuit▪Solar panel▪Dangers of electricity▪Unit Review Exercises |  | ▪Collecting materials to practice the importance of electricity.▪Group discussion on the various ways of controlling electric circuit.Observing charts to mention the dangers of electricity. |  |
| **Week9****12-16/06/2023** | **Unit 16:****Materials(10periods)** | ▪Classification of materials▪Common metals▪Physical properties of metals▪Uses of common metals | Science and Elementary Technology for Rwandan Schools Pupil’s book p5Laxmi publications& spotlight | ▪Collecting variety of objects to group them according to their properties.▪Collecting heat source,nail and handle to find out that metals conduct heat… |  |
| **Week10****19-23/06/2023** |  | ▪Maintenance of metals▪Calculation of density▪Relative density▪Differentiating density of regular and irregular objects▪Applications of relative density▪Unit Review Exercises |  | ▪Experiment1: discover the density▪Experiment2: Measuring the density of different liquid materials.▪Experiment3: behavior of different objects in water and relative density. |  |
| **Week11****26-30/06/2023** | **GENERAL REVISION** |
| **Week12****03-07/07/2023** | **EXAMINATION PERIOD AND SUPERVISION OF EXAMINATION** |
| **Week13****10-14/07/2023** | **MARKING, MAKING SCHOOL REPORTS AND CLOSING THE YEAR (THIRD TERM)** |
| **Week14****17-19/07/2023** | **PNLE** |