**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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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 p5  Laxmi 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** | | | | |