**District: Nyamasheke FORMAT OF UNIT PLAN/ SCHEME OF WORK.**

 **Term: First Term SCHOOL…………………………………**

**Subject: SET Academic year 2023/2024**

 Teacher…………………………………………………… **Class**: P4 No of period per week: 5

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| **Weeks &Dates**  | **Unit title**  | **Content (lessons) and evaluation**  | **Learning objectives** **+ Key unit competence**  | **Teaching methods & Techniques + evaluation procedures**  | **Resources & References**  | **Observations**  |
| **Week1** From September 25th to 29th |   General revision  |  |  |  |  |
| **Week 2**  From October 2nd to 6th  | Unit 1: **Agricultural** **Tools**   | Identification of Agricultural Tools Uses of Agricultural Tools Maintenance of Agricultural Tools   | ♦ **To be able to use and maintain agricultural tools safely**  ● Understanding the importance of farm tools. ●To be able to use and maintain agricultural tools.  | * Demonstration

 * Group work

 * Discussion and

 presentation \* Questions and answers  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |
| **Week 3**  From October 9thto13thOctober | Storage of Agricultural Tools Dangers of the Misuse of Agricultural Tools Precautions while Using Agricultural Tools Unit revision   | ♦**To be able to use and maintain agricultural tools safely**  ●To be able to use and maintain agricultural tools. ● Practice safe use of farm tools.  | * Demonstration

 * Group work

 * Discussion and

presentation  * Questions and answers
 | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |

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| **Week 4** **From16thto** **20thOctober** | Unit 2: Objects Production   |  Making Toy Bicycle and Doll Making Toy Cat and Motorcycle Making Basket (A Utility Object)  | ♦ **To be able to make play, utility and leaning objects.**  ●Knowing locally available materials used to make useful objects   | * Questions and answers

 * Discussion and

presentation  * Demonstration

  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |
| **Week 5** **From** **October 23th to** **27th**  | Making Dustbin and Mat (Utility Objects) Making Learning Materials Maintenance of Toys, Utilities and Learning Objects Unit Revision  | ♦ **To be able to make play, utility and leaning objects.**  ●Knowing locally available materials used to make useful objects ● Be able to make object for playing, leaning and general utility  | * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |

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| **Week 6** **From October30 th to 03rd November** **Week 7** **From** **November** **6thto 10th**  | Unit 3: Computer My Friend  | Computer Data and Information Communication Technology Activity and Project Digital and Analogue Data   Hardware and Software Sugar Interface  Gnome Interface The Journal Searching and Retrieving a Saved Document in the Journal       | **♦To be able to use common ICT terms and differentiate Sugar and Gnome user interfaces**  * Understanding proper use of common ICT terms.

 * Differentiate between Gnome and Sugar interfaces.

 * Use the journal.
 | \*Group work  \*Brain storming  \*Round table  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications** SET and ICT Lesson plan 2018      |   |
| **Week 8** **From 13thto 17th** **November**  | - Unit Revision  |   |      Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications** SET and ICT Lesson plan 2018     |   |
| **Week 9** **From** **20thto 24thNovember**  | Unit 4: **Writing Skills**  |  Text Selection Formatting Text The Keyboard and Touchpad Unit Revision    | **♦To be able to perform write activity.**  * Writing text at an improving speed.

 * Understanding how to use special keys

 * Ability to collaborate in write activities.
 | \*Group work  \*Brain storming  \*Round table  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications** SET and ICT Lesson plan 2018    |   |
| **Week 10** **From** **November** **27th to 01stDecember** |  Unit 4 Revision  |  |
| **Week 11** **From 04thto** **08thDecember**  |  - General Revision  |  |
| **Week 12** **From 11thDecember to 15th**  |  - Examinations period and Examinations supervision |  |
| **Week 13** **From 18thDecemberto 22nd** | -Marking, making school reports period and closing the first term |  |

# FORMAT OF UNIT PLAN/SCHEME OF WORK

**District: Nyamasheke Academic y** **Term**: Second Term **School**………………………

**Subject: SET Teacher**……………………………….………... **Class**: P4 No of period per week: 5

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| **Weeks &Dates**  | **Unit title**  | **Content (lessons) and evaluation**  | **Learning objectives + Key unit competence**  | **Teaching methods & Techniques + evaluation procedures**  | **Resources & References**  | **Observations**  |
| Week 1 From January08th to 12th  | Unit 5: Graphics and Multimedia  | Paint Application Toolbar Drawing with Free Hands Drawing Using Shapes Comments on a Picture and Save, Close and Open an Activity Unit Revision  | ♦ To be able to use paint activity to draw and colour different shapes and to enhance project work.  ● Working in pairs to complete project given correctly.   | \*Group work  \*Brain storming  \*Round table  * Questions and answers

 * Discussion and presentation

 * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications** SET and ICT Lesson plan 2018    |   |
| Week 2 From January 15th to 19th January  | Unit 6: Programming for Children   |  Turtle Art Elements of Turtle Art Using Turtle Art   | ♦ To be able to design and construct geometric shapes in turtle art activity and create animations using Scratch Activity  ● Understanding how to use turtle art activity and Scratch activity  | \*Group work  \*Brain storming  \*Round table  * Questions and answers

 * Discussion and

presentation   | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications** SET and ICT Lesson plan 2018    |   |

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|  |  |  |  | \* Demonstration  \*Research work  |  |  |
| Week 3 From January 22th to 26th   | Instructions/Commands Drawing Saving a Document, Closing and Opening   | ♦ To be able to design and construct geometric shapes in turtle art activity and create animations using Scratch Activity  ● Practical knowledge on use of Turtle Art Activity and Scratch Activity.    | \*Group work  \*Brain storming  \*Round table  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications** SET and ICT Lesson plan 2018    |   |
| Week 4 From January 29thto 02nd February  |  Turtle Art Activity Scratch Window Object Animations (Animate an Object) Unit Revision  | ♦ To be able to design and construct geometric shapes in turtle art activity and create animations using Scratch Activity  ● Enjoying activities in Turtle and Scratch Activities    | \*Group work  \*Brain storming  \*Round table  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |

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| Week 5 From February 05th to 9th  | Unit 7: Air, Wind and Sound                Unit 8: Soil   | Main Properties of Air Composition of Air Utility of Air Components in Daily Life Dangers of Components of Air Wind and its Types Uses of Air and Wind   | ♦ To be able to explain properties and importance of Air and effects of Wind as well as Sound in surrounding environment.  ● Explaining the composition of Air.    | \*Group work  \*Brain storming  * Questions and answers

 * Discussion and presentation

 * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |
| Week 6 From February  12th to 16th  | * Dangers of Wind

Sound * Unit Revision - Definition of Soil
* Types of Soil - Composition of Soil - Uses of Soil

   | ♦ To be able to explain properties and importance of Air and effects of Wind as well as Sound in surrounding environment. ● Understanding the effects of Wind and controlling its destructive effects  * Demonstrating Sound

production and propagation. To be able to choose good soil and prevent it from erosion.  * Understanding soil, its uses, composition and fertility.

  | \*Group work  \*Brain storming  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |       |
| Week 7 From 19thFebruary 23rd |         | Characteristics of Fertile Soil Soil Erosion Agents of Soil Erosion Causes of Soil Erosion Types of Soil Erosion Prevention of Soil Erosion Unit Revision  | ♦ To be able to choose good soil and prevent it from erosion.   ● Appreciating the  | \*Group work  \*Brain storming  \* Questions and answers  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT  |   |

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|  |          Unit 9: Animals   |   | importance of soil fertility by preventing soil erosion  |  * Discussion and

presentation  * Demonstration

 \*Research work  | &**Laxmi** **Publications**   |  |
| Week 8 From February 26th to 01st March  | Classification of Animals According to the Backbone Classes of Vertebrates and Invertebrates Classification of Animals According to the Respiration Mode  | ♦ To be able to classify the animal according to their back bone, locomotion, feeding, reproduction and respiration.  ● Classifies animals according to their back bone and respiration mode.  .   | \*Group work  \*Brain storming  * Questions and answers

 * Discussion and presentation

 * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |
| Week 9 From March 04thto 08th  |                | Classification of Animals According to the Locomotion Mode Classification of Animals According to the Feeding Mode Classification of Animals According to them Reproductive Mode Unit Revision   | ♦ To be able to classify the animal according to their back bone, locomotion, feeding, reproduction and respiration.  ● Classifies animals according to their mode of locomotion, feeding and reproduction.   | \*Group work  \*Brain storming  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |

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|         | Unit 10 : Animals Management     | -Conditions of a Good Rabbit Hutch -Characteristics of Good Rabbits -Distinguishing Male from Female Rabbits -Criteria for Choosing a Rabbit to Rear (Rabbit -Breeding Guide) -Proper Feeding of Rabbits Rabbit Health -Common Diseases in Rabbits -Importance of Rabbit Farming -Unit Revision  | ♦ To be able to explain and practice the rabbit keeping.  * Practical knowledge of how to rear rabbits.

 * Understanding the Importance of taking care of rabbits and other animals.

To be able to explain and practice the rabbit keeping.   * Appreciating the benefits of rabbits keeping to the farmer and country.

   | \*Group work  \*Brain storming  * Questions and answers

 * Discussion and presentation

 * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications** SET and ICT Lesson plan 2018      |   |
|   Week 10From March 11th to 15th  |   General revision       |  |  |
| Week 11 From March 18th to22th  |   | Examinations period and supervision of examinations       |  |  |
| Week 12 From March 25thto 29th  | -   | Marking, making school reports period and closing the first term  |   |   |   |

# FORMAT OF UNIT PLAN/SCHEME OF WORK

**District: Nyamasheke Academic year**: 2023/2024 **Term**: Third Term **School**………………………

**Subject: SET Teacher**………………………………….………... **Class**: P4 No of period per week:

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| **Weeks &Dates**  | **Unit title**  | **Content (lessons) and evaluation**  | **Learning objectives + Key unit competence**  | **Teaching methods & Techniques + evaluation procedures**  | **Resources & References**  | **Observations**  |
| Week 1 From15th to19th A pril | Unit 11: Plants   | Definition of Germination Conditions Necessary for Seed Germination Types of Germination Stages of Germination  | To be able to demonstrate stages of germination and establish relationship between parts of plants and their function.  * Practical knowledge on how plant seeds correctly for them to

germinate  * Understanding the germination process, types of germination
 | \*Group work  \*Brain storming  * Questions and answers

 * Discussion and presentation

 * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |

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|  |  |  | and conditions for germination. ● Appreciate plants around them and their usefulness  |  |  |  |
|   |   |   |   |   |   |   |
| Week 2 From April22nd to 26th  | Unit 11: Plants   | Types of Plants Parts of Plants and their Functions Unit Revision   | ♦ To be able to demonstrate stages of germination and establish relationship between parts of plants and their function.  ● Appreciate plants around them and their usefulness   | Group work  \*Brain storming  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |
| Week 3 From April29th to 03rd May | Unit 12: Human Sensory Organs   | Functional Mechanism of All Sensory Organs Structure, Function and Maintenance of Skin    | ♦ to be able explain the structure, function and maintenance of the human sensory organs   * Understanding how the sensory organs work.

 * Knowing and appreciating the various parts of the sensory organs. ●
 | Group work  \*Brain storming  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |
| Week 4 From May  | Structure, Function and Maintenance of Tongue   | ♦ to be able explain the structure, function and maintenance of the  | Group work  \*Brain storming  | Science and Elementary Technology for  |   |

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| 06th to 10th  |  |  | human sensory organs  ● Practical knowledge on how to identify diseases of the sensory organs, prevent accidents of sensory organs and how to care for sensory organs.   |  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |  |
| Week 5 From May 13th to 17th  |  Structure, Function and Maintenance of Nose    | ♦ to be able explain the structure, function and maintenance of the human sensory organs  ● Practical knowledge on how to identify diseases of the sensory organs, prevent accidents of sensory organs and how to care for sensory organs.   | Group work  \*Brain storming  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |
| Week 6 From May20th to 24th  | Structure, Function and Maintenance of Ear    | ♦ to be able explain the structure, function and maintenance of the human sensory organs  ● Practical knowledge on how to identify diseases of the sensory organs, prevent accidents of sensory organs and how to care for sensory organs.   | Group work  \*Brain storming  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |
| Week 7 From May 27thto 31st |  Structure, Function and Maintenance of Eye Unit Revision  | ♦ to be able explain the structure, function and maintenance of the human sensory organs  | Group work  \*Brain storming   | Science and Elementary Technology for Rwandan Schools  |      |

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|   |  |   |  ● Practical knowledge on how to identify diseases of the sensory organs, prevent accidents of sensory organs and how to care for sensory organs.   | * Questions and answers

 * Discussion and presentation

 * Demonstration

 \*Research work  | Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |  |
| Week 8 From June  03rd to 07th   | Unit 13: Human Skeleton     | Main Parts and Major Bones of the Skeleton Functions of the Skeletal System Accidents of Bones    | ♦ To be able to describe human skeleton and explain its functions and maintenance.  * Understanding parts of the skeleton and their functions.

 * Practical knowledge on how to prevent accidents of the skeleton, how to maintain good health of the skeleton and practicing proper hygiene of the skeleton.

 * Teamwork
 | Group work  \*Brain storming  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |        |
| Week 9 From June 10thto 14rd    |    Unit 13: Human Skeleton    |   Bone Diseases Hygiene of the Skeleton Prevention of Bone Diseases and Deformation of Vertebral Columns Unit Revision    | ♦ To be able to describe human skeleton and explain its functions and maintenance.  * Understanding parts of the skeleton and their functions.

 * Practical knowledge on how to prevent accidents of the
 | Group work  \*Brain storming  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |     |

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|  |  |  | skeleton, how to maintain good health of the skeleton and practicing proper hygiene of the skeleton.  ● Teamwork  |  |  |  |
|   |   Unit 14: Muscles     | Main Groups of Muscles Major Voluntary Muscles of the Human Body Functions of Voluntary Muscles   | ♦ To be able to identify the functions and maintenance of muscles.  * Identify major voluntary muscles in the human body.

 * Understanding how the muscles work.

  | Group work  \*Brain storming  * Questions and answers

 * Discussion and

presentation  * Demonstration
 | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |
|   |  Accidents of Muscles (Cramp) and First Aid Hygiene of Muscles Prevention of Accidents   | ♦ To be able to identify the functions and maintenance of muscles ● Practical knowledge on how to prevent accidents of muscles and how to maintain the proper functions of muscles.  | Group work  \*Brain storming  * Questions and answers

 * Discussion and

presentation  * Demonstration

 \*Research work  | Science and Elementary Technology for Rwandan Schools Pupil’s book P4 SPOTLIGHT &**Laxmi** **Publications**   |   |
| Week10 From June 17th to 21th | General revision    |  |
| Week 11From June 24th to 28th |  Examinations period and supervision of examinations  |  |
| Week 12 From 01st to 05thJuly    | Marking, making school reports period and closing the first term.  |