**FORMAT OF UNIT PLAN/SCHEME OF WORK**

**District: Nyamasheke Academic year**: 2023/2024 **Term:** First Term **School**:

# ………… **Subject: SET Teacher**…………………………... **Class**: P6 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** | **Obs erv atio ns** |
| **Week 1**    From  September  25th to 29th | **General revision of Primary four and Primary five** | |  | ▪ Questions and answers    ▪ Group work and representation    ▪ Discussion and presentation | Science and  Elementary  Technology for  Rwandan Schools  Pupil’s book P5  SPOTLIGHT  &Laxmi  Publications |  |
| **Week 2**  **From**  **October**  **02nd to**  **06th** | **Unit 1:**  **Mechanics and blacksmith tools** | * Common   mechanics tools   * Common   blacksmith  tools   * Use and maintenance of mechanics and blacksmith tools | . To be able to use and maintain mechanics and blacksmith tools safely . Explain the importance of mechanics and blacksmith tools . Identify the potential dangers of using mechanics and blacksmith tools and ways of preventing them | * Demonstr   ation   * Questions and answers * Discussio   n and presentati  on   * Group work * Research work | * Understan   ding Science and  Technolog   * 1. Pupil’s   Book P5  Longhorn   * Science and Elementar y   Technolog   * 1. pupil’s book P5Oxyfor d * MK   elementar y Science  &  Technolog   * 1. Pupil’s book P5 * Science and Elementar y   Technolog |  |

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| **Week 3**  **October from 09th to**  **13th** | **Unit 2: Simple machines** |      | Definition of simple machine Types of simple machines  Safety in the use of simple machines |        | To be able to classify simple machines and levels  To be able to use and maintain simple machines To take care of simple machines Categorize simple machines according to their classes |          | Demonstr  ation  Questions and answers Discussio n and presentati on Group work Research work |    | Understan ding Science and  Technolog  y Pupil’s  Book P6  Longhorn Science and Elementar y  Technolog  y pupil’s book P6Oxyfor  d |  |
|  |  |  |  |  |  |  |  |  | MK  elementar  y Science  &  Technolog  y Pupil’s book P6 |  |
|  |  |  |  |  |  |  |  |  | Science and Elementar y  Technolog  y for upper Primary  P6 |  |
| **Week 4**  **From**  **October**  **16th to 20th** |  | Levers |  |  |  |  |  |

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| **Week 5**  **From**  **October**  **23rd to 27th** | **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 | * To be able to make toys, utility and learning objects * Identifying materials needed to make useful   objects   * Ability to make   objects for daily use, playing and learning   * Storing materials made appropriately |          | Demonstr ation  Questions and answers Discussio n and presentati on Group work Research work | * Understan   ding Science and  Technolog   * 1. Pupil’s   Book P6  Longhorn   * Science and Elementar y   Technolog   * 1. pupil’s book P6 Oxyford * MK   elementar   * 1. Science   &  Technolog y Pupil’s book P6   * Science and Elementar y   Technolog   * 1. for upper Primary   P6 |  |
| **Week 6**  **From**  **30t Octoberh to 03rd**  **November** | **Unit 4:**  **Writing skills** | **WORD**  **PROCESSING**  **Identification of elements of gnome environment**   * Work with a document * Identification of elements Abiword window * Text   formatting | ▪ To be able to perform  write activity            - To be able to use word processing with  Abiword(Gnome) and  manipulation of texts | -  -  - | Demonstr  ation          Questions and  answers          Discussio | Science and  Elementary  Technology for  Rwandan Schools  Pupil’s book P5  SPOTLIGHT  &Laxmi  Publications  SET and ICT  LESSON PLAN  2018 |  |

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| **Week 7**  **From**  **06to10 th November**  **Week 8**  **From**  **13th to 17th November** |  | **SPREADSHEET**   * **Definition and role of Spread sheet application** * **Spread sheet environment** * **Create, save and open a**   **workbook**  **Cell basics**   * **Modifying columns,**   **rows and cells**   * **Formatting a**   **cell**   * **Worksheet**   **Basics**   * **Mathematical operators basics** | - To be able to create a spread sheet (Gnome) and apply basic formatting to cell content and also apply basic worksheet function(Insert, delete, rename) as well as performing basic calculations(add ition, subtraction, multiplication, division) with cells | n and presentati  on   * Group work   -Research work   * Round table * Brain storming | Science and  Elementary  Technology for  Rwandan Schools  Pupil’s book P5  SPOTLIGHT  &Laxmi  Publications  SET and ICT  LESSON PLAN  2018 |  |
| **Week 9**  **From**  **November**  **20th to 24th** | **Unit 5:**  **Computer**  **Research** |  **Introduction to search engine**  **. Search engine techniques** | . Explain the role of search engine  . Explore and use search engine | . Demonstration . Questions and answers | Science and  Elementary  Technology for  Rwandan Schools  Pupil’s book P5  SPOTLIGHT  &Laxmi  Publications  SET and ICT  LESSON PLAN  2018 |  |
| **Week 10**  **From**  **November**  **27th to 01st December** | Types of search engine | .Categorize different  Search Engine | .Discussion and  .Group presentation |  |  |
| **Week11**  **From December**  **04thto 08th** | General revision | | |  |  |  |
| **Week 12**  **From December**  **11thto 15th** | Examinations period and supervision of examinations | | |  |  |  |
| **Week 13**  **From December**  **18thto 22th** | Marking, making school reports period and closing the first term | | |  |  |  |

**FORMAT OF UNIT PLAN/SCHEME OF WORK**

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

# ………… **Subject: SET Teacher**…………………………... **Class**: P6 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** | **Obse**  **rvati ons** |
| Week 1  From January  08thto  12th | **Unit 6:**  **Program ming for Children** | * **4Turtle**   **Art for displayin**  **g things**   * **Draw**   **irregular polygons** | - To be  able to design and construc  t  geometr  ic  shapes  using  turtle art activity and design different projects in scratch and use toys activity | * Demon   stration           * Questi   ons and answer  s           * Discus   sion and present  ation   * Group work   -Research work   * Round table * Brain | Science and  Elementary  Technology for  Rwandan Schools  Pupil’s book P5  SPOTLIGHT  &Laxmi  Publications  SET and ICT  LESSON PLAN  2018 |  |
| Week 2  From  15thApril to19th January | * **Program ming animation**   **s and**  **computin**  **g in**  **Scratch**   * **Working with the**   **stage**   * **Create**   **Stories to animation** | Science and  Elementary  Technology for  Rwandan Schools  Pupil’s book P5  SPOTLIGHT  &Laxmi  Publications  SET and ICT  LESSON PLAN  2018 |  |

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| Week 3  From  January  22nd to 26th |  | * **Scratch with**   **mathemat ics**  **(simple computin**  **g)**   * **Identifica**   **tion of elements**  **of Etoys**  **environm**  **ent** |  |  | storming | Science and  Elementary  Technology for  Rwandan Schools  Pupil’s book P5  SPOTLIGHT  &Laxmi  Publications  SET and ICT  LESSON PLAN  2018 |  |
| Week 4  From  January  29th to 02nd February | * **Etoys book** * **Etoys**   **Projects and Animatio n**   * **Unit**   **revision** | Science and  Elementary  Technology for  Rwandan Schools  Pupil’s book P5  SPOTLIGHT  &Laxmi  Publications  SET and ICT  LESSON PLAN  2018 |  |
| Week 5  From  February  05th to 09th | **Unit 7: Air pollution** | * Definition   of air  pollution   * Common   air pollutants   * Sources of common   air **pollutants** |      | To be able to explain the  phenom enon of air pollutio n, its  consequ ences  and manage ment To be able to identify  air pollutan ts  Mainten ance of clean | * Demon   stration           * Questi   ons and  answer  s           * Discus   sion and present  ation   * Group work   -Research work | * Understa nding Science and Technolo gy Pupil’s   Book P6 Longhor n   * Science and Elementa ry   Technolo gy  pupil’s book  P6Oxyfo  rd   * MK |  |

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|  |  |  |  | environ  ment at home and school. | * Round table      * Brain storming |  | elementa ry Science  &  Technolo gy Pupil’s book P6 |  |
|  |  |  |  |  |  |  | Science and Elementa ry  Technolo gy for upper Primary |  |
| Week 6  From  February  12th to  16th | * Conseque   nces of polluted  air   * Protection   of air against air pollutants   * Unit   revision |  |  |  |  | Understa nding Science and Technolo gy Pupil’s  Book P6 Longhor  n |  |
|  |  |  |  |  |  |  | Science and Elementa  ry  Technolo gy  pupil’s book P6 Oxyford |  |
|  |  |  |  |  |  |  | MK  elementa ry Science  &  Technolo gy Pupil’s book P6 |  |
|  |  |  |  |  |  |  | Science |  |

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| Week 7  From  February 19th to 23th | **Unit 8 :**  **Animals** | * Characteri   stics of a good cowshed/ goat  shelter   * Types of cow/goat   breeds   * Characteri   stics of cattle/goat breed to  rear   * Proper   feeding of  cattle   * Cattle health sanitation conditions |        | To be able to explain and practice  effective  manage  ment of goats and cows Ability to different iate goats and cows breeds To describe the importa nce of goats and cows Testing learners’ ability to explain how to manage cows and goats | * Demon   stration           * Questi   ons and  answer  s           * Discus   sion and present  ation   * Group work   -Research work   * Round table - Brain storming |        | Understa nding Science and Technolo gy Pupil’s  Book P5 Longhor  n Science and Elementa  ry  Technolo gy  pupil’s book P5 Oxyford  MK  elementa ry Science  &  Technolo gy Pupil’s book P5 Science and Elementa  ry  Technolo gy for upper Primary |  |

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|  |  | * Common   diseases of cattle/goat   * Prevention   of cow/goat  diseases   * Importanc   e of cattle/goat farming   * Unit   revision |  |  |  |    | Understa nding Science and Technolo gy Pupil’s  Book P5 Longhor n Science and Elementa ry  Technolo gy  pupil’s book P5 Oxyford |  |
|  |  |  |  |  |  |  | MK  elementa ry Science  &  Technolo gy Pupil’s book P5 |  |
|  |  |  |  |  |  |  | Science and Elementa  ry  Technolo gy for upper Primary |  |
| Week 8  From  February  26thto  O1st March | **Unit 9: Plant reproduct ion** | * Identificat ion parts   of a complete flower   * Definition   of plant reproducti on |  | To be able to describe the parts of flowers and explain the process | - |  |  |  |

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|  |  | * Sexual and asexual reproducti on of plants:   . Process of the sexual reproduction of flowering plant . Asexual reproduction methods   * Reasons   for plants reproducti  on   * Unit   revision   * Classificat ion of waste * Sources of waste * Waste manageme   nt technique | of sexual and asexual reprodu  ction in plants . Ability to identify various parts of flowers and their  importance  . Practical  knowledge on the reproduction techniques used in asexual reproduction. .To be able to give reasons for plants propagations |  |  |  |  |  |
| Week 9  From  March  04th to 08th | **Unit 10: Sustainab le waste**  **managem**  **ent** |  | .To be able to apply garbage correction techniques and separate hazardous, organic and recyclable waste materials | -  -  - | Demon  stration          Questi ons and answer s          Discus sion and present ation |    | Understa nding Science and Technolo gy Pupil’s  Book P6 Longhor n Science and Elementa ry  Technolo gy  pupil’s book |  |

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|  |  |  |  |  | * Group work   -Research work   * Round table - Brain storming |  | P6Oxyfo rd  MK  elementa ry  Science &Techno logy Pupil’s book P6 |  |
|  |  |  |  | To be able to describe and explain the function of the circulato ry system,  its  hygiene and mainten ance |  |  | Science and Elementa ry  Technolo gy for upper Primary |  |
|  | **Unit 11: Circulato ry system** | * Main   function of circulatory system   * Organs of   circulatory system   * Structure   of the hear   * The   process of blood  circulation   * Compone   nts of blood   * Caring for our bodies   and health   * Diseases/c   onditions of circulatory  system   * Blood   pressure | * Group discuss   ion   * Games * Role   play   * Demon   stration   * Questi   on and answer  s   * Brain stormin g |      | Understa nding Science and Technolo gy Pupil’s  Book P5 Longhor  n Science and Elementa ry  Technolo gy  pupil’s book P5 Oxyford  MK  elementa ry Science  &  Technolo gy  Pupil’s |  |
|  |  | measurem ent   Unit  revision   |  | |  |  | book P5 Science and Elementa ry  Technolo gy for upper Primary |  |
| Week10  From  March  11th to  15th | - General revision | | | | |  |  |  |
| Week11  From18th March to22th | -Examinations period and supervision of examinations | | | | |  |  |  |
| Week12  From25th March to29th/2024 | - Marking, making school reports period and closing the second term | | | | |  |  |  |

# **FORMAT OF UNIT PLAN/SCHEME OF WORK**

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

## ………… **Subject: SET Teacher**…………………... **Class**: P6 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** | | **Observ**  **ations** |
| Week 1  From  April  15th to 19th | **Unit 12: Respirato ry system** | * **Main**   **function of respiratory system**   * **Identificatio n of Organs of the respiratory**   **system**   * **Mechanism**   **of respiration (breathing)**   * **Good health practices and behaviors** * **Diseases of respiratory system** * **Suffocation** * **Unit revision** |  To be able to explain  mechanism of respiration | * Group   discussion   * Brain   storming   * Discussio   n and presentati  on   * Questions and answers * Demonstr   ation | * Understandin   g Science and Technology Pupil’s Book  P4 Longhorn   * Science and Elementary   Technology pupil’s book P4Oxyford   * MK   elementary Science &  Technology Pupil’s book  P4   * Science and Elementary Technology for upper   PrimaryP4 | |  |
| Week 2  From  April  22nd to  26th | **Unit 13: Reproduc**  **tive system** | * **Main**   **function of reproductive system**   * **Male**   **reproductive organs**   * **female reproductive organs** * **Preventing unplanned**   **Pregnancy** |  To be able to explain the function of male and female genital organs prevention , transmission and treatment of STIs and HIV and state ways of preventing unplanned pregnancy. | * Group   discussion   * Brain   storming   * Discussio   n and presentati  on   * Questions and answers * Demonstr   ation | * Understandin   g Science and Technology Pupil’s Book  P6 Longhorn   * Science and Elementary   Technology pupil’s book P6 oxford   * MK   elementary Science &  Technology Pupil’s book  P6 | |  |
|  |  |  |  |  |  | Science and  Elementary Technology for upper Primary |  |

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| Week 3  From  April  29th to  03rd May |  | * **Sexually transmitted**   **infection**   * **Means of transmissio n of**   **common**  **STIs/HIV**   * **Identificatio n of various ways for STI s/ HIV transmissio n** * **Prevention and treatment of common STIs/HIV** * **Living**   **Positively with HIV and AIDS.**   * **Unit**   **revision** |  | To be able to explain the function of male and female genital organs prevention , transmission and treatment of STIs and HIV and state ways of preventing unplanned pregnancy |        | Group discussion Brain storming Discussio n and presentati on Questions and answers Demonstr  ation |        | Understandin g Science and Technology Pupil’s Book P6 Longhorn  Science and  Elementary  Technology pupil’s book  P6 oxford  MK  elementary Science &  Technology Pupil’s book P6  Science and  Elementary Technology for upper Primary |  |
| Week 4  From  May  06th to10th | **Unit 14: Energy managem**  **ent** | * **Definition of energy** * **Forms of energy (and**   **examples)**   * **Energy transformat ion/energy**   **conversion**   * **Importance** |  | To be able to understand the use of energy and its transformation from one form to another |      | Brain storming  Field trip Group  discussion |    | Understandin g Science and Technology Pupil’s Book P6 Longhorn  Science and  Elementary  Technology pupil’s book P6 Oxyford |  |

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|  |  | **of energy** |  |  |  | MK  elementary Science &  Technology Pupil’s book  P6 |  |
|  |  |  |  |  |  | Science and  Elementary Technology for upper  Primary |  |
| Week 5  From May 13thto  17th |  **TEST**           |  |  |  |

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| Week6  From  20thto  24th May | **Unit14 Energy managem**  **ent** | **. Sources of energy**   * **Renewable energy** * **Some**   **renewable**  **energies**   * **Advantage**   **of using renewable energy**   * **Unit**   **revision** |  |  |  |  |

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| Week 7  27thto  31st  May | **Unit 15: Magnetis m** | | * **Types of magnets** * **Compositio**   **n of magnets:**  **iron or steel**   * **Characterist**   **ics of**  **magnets**   * **Magnetic**   **forces and materials**   |  | To be able to explain and demonstrate the existence of magnetic forces and magnetic field |        | Brain storming  Field trip Group  discussion | |      | Understandin g Science and Technology Pupil’s Book P6 Longhorn  Science and  Elementary  Technology pupil’s book  P6 Oxford  MK  elementary |  | |
| Week8  From  03rdto 07th June |  | | * **Definition of magnetic**   **field**   * **Magnetic compass**   **and its uses**   * **Uses of magnets** * **Unit**   **revision** |  |  |  |  | |    | Science &  Technology Pupil’s book P6  Science and  Elementary Technology for upper  Primary |  | |
| Week 9  From  10thto 14th June | **Unit 16: States of matter** | | * **Definition of matter** * **Identificatio n of differences between the three states of matter** * **Identificatio n of changes between the three states of matter in water** * **Melting, freezing and boiling points of water** |  | To be able to demonstrate and explain changes of states of matter |        | Brain storming  Field trip Group discussion | |        | Understandin g Science and Technology Pupil’s Book P6 Longhorn  Science and  Elementary  Technology pupil’s book  P6 Oxyford  MK  elementary Science &  Technology Pupil’s book P6  Science and  Elementary Technology for upper  Primary |  | |
|  |  | **. Changes in states of water in the water cycle**   * **Transforma**   **tion of states of matter**     * **Unit**   **revision** | |  | |  | |  | | | |  | |
| Week10  From June  17th to21st | General revision and competiti ons |  | | | |  | | | | | |  | |
| Week11  From June  24th to28th | Examinations period and examinations supervision | | | | | | | | | | |  | |  |  |
| Week12  From 01st July to 05th | Marking and making school reports. | | | | | | | | | | |  | |