**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: ………..

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 presentation * 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 |   |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |   | y for upper Primary  |  |
|  **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  |       | Demonstration Questions and answers Discussio n and presentati on Group work Research work  |    | Understan ding Science and Technology Pupil’s Book P6 Longhorn Science and Elementar y Technology pupil’s book P6Oxyford  |   |
|  |  |  |  |  |  |  |  |   | MK elementary Science & Technology Pupil’s book P6  |  |
|  |  |  |  |  |  |  |  |    | Science and Elementar y Technology for upper Primary P6  |  |
| **Week 4** **From** **October** **16th to 20th**  |    | Levers    |   |  |   |  |   |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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     | - - -  | Demonstration     Questions and answers     Discussio | Science and Elementary Technology for Rwandan Schools Pupil’s book P5 SPOTLIGHT &Laxmi Publications SET and ICT LESSON PLAN 2018  |   |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 presentation * 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:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 construct geometric shapes using turtle art activity and design different projects in scratch and use toys activity  | * Demon

stration     * Questi

ons and answers     * Discus

sion and presentation * 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 |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 answers     * Discus

sion and presentation * 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 P6Oxyford * MK
 |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | environment 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 Longhorn  |  |
|  |  |  |  |  |  |   | Science and Elementary Technolo gy pupil’s book P6 Oxyford  |  |
|  |  |  |  |  |  |   | MK elementa ry Science & Technolo gy Pupil’s book P6  |  |
|  |  |  |  |  |  |   | Science  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  | and Elementa ry Technolo gy for upper Primary  |  |
| 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 management 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 answers     * Discus

sion and presentation * Group work

 -Research work * Round table - Brain storming
 |      | Understa nding Science and Technolo gy Pupil’s Book P5 Longhorn Science and Elementary Technolo gy pupil’s book P5 Oxyford MK elementa ry Science & Technolo gy Pupil’s book P5 Science and Elementary Technolo gy for upper Primary  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|   |  |  * 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 Elementary 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  |  -  |   |   |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | * Sexual and asexual reproducti on of plants:

. Process of the sexual reproduction of flowering plant . Asexual reproduction methods * Reasons

for plants reproduction * Unit

revision * Classificat ion of waste
* Sources of waste
* Waste manageme

nt technique   | of sexual and asexual reproduction 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  | - - -  | Demonstration     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  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | * 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 answers * Brain stormin g
 |     | Understa nding Science and Technolo gy Pupil’s Book P5 Longhorn 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:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 presentation * 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 presentation * 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 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 Demonstration |      | 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  |  |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Week6 From 20thto 24th May  | **Unit14 Energy managem****ent**  | **. Sources of energy** * **Renewable energy**
* **Some**

**renewable** **energies** * **Advantage**

**of using renewable energy** * **Unit**

**revision**  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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.   |  |