



PRIMARY SCIENCE SCHEME OF WORK FOR TERM ONE

| THEME | TOPIC |
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| 1.SCOENCE IN HUMAN ACTIVITIES | 1.KEEPING POULTRY AND BEES |
| 2.MATTER AND ENERGY | 2.MEASUREMENT |
| 3.HUMAN HEALTH | 3.IMMUNISATION |
| 4.HUMAN BODY | 4.THE DIGESTIVE SYSTEM |

General learning outcomes

1. When learners go through the topics listed above, they will be able to:

To know and use basic scientific knowledge and skills in the management of poultry and bees.

To know standard units for measuring mass, weight and volume and use correct instruments to measure mass, weight and volume. To develop more knowledge on immunization, appreciate the importance of immunization and actively take part in the immunization activities To acquire knowledge about the organs of the digestive system and what happens to food within the system. Appreciate the importance of the digestive organs of the human body.

| Wk | PD | THEME | TOPIC | COMPETENCE | | CONTENT | METHOD | ACTIVITY | Life skill/value | L/D | REF |
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| | | | | LANGUANGE | SUBJECT | | | | | | |
| | 1 | SCIENCE IN HUMAN ACTIVITIES AND OCCUPATION | KEEPING POULTRY AND BEES | Names the different types of poultry | Identifies different types of poultry | <u>POULTRY</u> <u>KEEPNG</u> Difference between poultry and poultry keeping. Examples of poultry Reasons | Discussion Demonstration Observation Question and answers | Answering oral and written questions | Critical thinking Effective communication | Live chicken | MK integra science bo Fountain integrated science bo com |

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| | | | | | | why farmers keep poultry | | | | | |
| | 2 | | | Label with correct spelling a diagram showing the external parts of a domestic fowl. Correctly reads words and sentences on poultry | Describes the external parts of domestics fowl | External features of poultry - External parts of a cork. - Importance of feathers to birds/poultry. - Types of features & their parts | Observation Demonstration Question and answers | Answering oral and written question Drawing and naming external parts of poultry | Care Responsibility Love | A chart and naming external parts of poultry | |
| WK | PD | THEME | TOPIC | COMPETENCE | | CONTENT | METHOD | ACTIVITY | Life skill/value | L/D | REF |
| | 3 | | | LANGUANGE | SUBJECT | <u>Breeds of chicken</u> -Definition of breeds. -Groups of breeds e.g local, exotic, etc. | Discussion Observation Question and answers | Answering oral and written questions | | Teachers' noted text book | MK Integrated Science bc Fountain integrated Science bc com |

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| | | | | | | -Advantages and disadvantages of different breeds. | | | | | |
| 4 | SCIENCE IN HUMAN ACTIVITIES AND OCCUPATION | KEEPING POULTRY AND BEES | | | | Types of chicken i.e. layers, broilers, dual purpose | | | | | |
| 5 | | | Recites rhymes about farming | Explains the uses of poultry | Feeding of poultry Types of mash. Contents of various mash. Importance of each mash. Feeding & drinking equipments Digestion birds Function of different parts of the system. | Discussion Question and answers | Copying brief notice Answering oral and written questions. | Problem solving concern | Feeding equipment and a chart showing digestive system | -MK Integr. Science bo -Fountain integrated science bo - Comprehe book 5 | |
| 3 | | | | | Brooding Definition of brooding. Types of brooding. Advantages & disadvantages each type of brooding. | Explanation | Answering oral and written questions | Modeling brooder | A chart showing types of brooder | MK Integra Science bo Fountain Integrated science bo Comprehe book 5 | |

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| | 6 | | | | | Types of brooders incubation. Types of incubation Incubation periods of different birds. | | | | | |
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| | 6 | SCIENCE IN HUMAN ACTIVITIES AND OCCUPATION | KEEPING POULTRY AND BEES | LANGUANGE | SUBJECT | <u>Systems of keeping birds</u> Free range system Advantages of free range system and other systems. Give components of litter to a farmer. | Discussion Question and answers | Copying brief notice. Answering oral and written questions Explain how to manage poultry farm | Concern love and caring | A chart showing systems of poultry Responsibility. | MK Integra Science bo Fountain Integrated science bo Comprehe book 5 |
| | | | | | | <u>Poultry disease</u> Examples of poultry diseases e.g. coccideiosis, new castle, etc. Signs and symptoms of diseases | Explanation Discussion Questions and answers. | Answering oral and written questions. | Concern love and caring | Text books specimens of poultry parasites | MK Integra Science bo Fountain Integrated science bo Comprehe book 5 |

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| | | | | | | Prevention and control | | | | | |
| | | | | | | Poultry vices Definition of poultry vices. Common poultry vices. Causes of poultry vices. Signs of poultry vices Record keeping Types of records Importance of keeping records. | Demonstration Question and answers | Answering oral and written questions. | Appreciation fluency | Chalkboard illustration | MK Integrated Science book 5 Fountain Integrated science book 5 Comprehensive book 5 |
| | | | | Spells the word correctly | Describes the life history of bees | Tropical questions about poultry | Discussion question and answers | Answering oral and written questions. | | Lesson | |
| WK | PD | THEME | TOPIC | COMPETENCE | | CONTENT | METHOD | ACTIVITY | Life skill/value | L/D | REF |
| | | | KEEPING | LANGUANGE | SUBJECT | <u>Apiculture</u> | Explanation | | | | MK Integra |

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| | | SCIENCE IN HUMAN ACTIVITIES AND OCCUPATION | POULTRY AND BEES | | | Definition of Apiculture, apiary, colony, etc. Social insects Examples of social insects e.g. bees, termites. Solitary insects Examples of solitary insects. External parts of bees | Discussion Question and answers | Answering oral and written questions. Drawing the sentences of a bee | Appreciation patience | Specimen of a bee Teachers' notes | Science bo Fountain Integrated science bo Comprehe book 5 |
| 2 | 5 | | | Spells the word correctly | Describes the life history of bees | Types of bees Queen bee Prone bee Worker bee Characteristics Roles of each type of bee Food for bees Importance of those products to man | Discussion Explanation Question and answers | Answering oral and written questions. Writing structured notes | Appreciation patience | A chart showing life cycle of a bee | MK Integra Science bo Fountain Integrated science bo |
| 3 | 1 | | | Reads stories and poems about the importance of bee farming. | States the importance of bees | <u>Importance of bees to plants</u> Importance of bees to animals/ peoples Swarming Causes of swarming Bee hives Types of bee hive i.e. local and modern bee hive. | Discussion Questions and answers Observation | Answering oral and written questions. | Appreciation patience | Model of a bee | |

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| | 2 | | | | | Advantages and disadvantages of local bee hive. Advantages and disadvantages of modern bee hive. Parts of a top bar hive e.t.c Given advantage and disadvantages | Discussion Question and answers | Answering oral and written questions. Drawing the sentence of a bee. | Appreciation patience | Specimen of a bee. Teachers' notes | MK Integrated Science bc Fountain Integrated science bo |
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| 2 | 5 | SCIENCE IN HUMAN ACTIVITIES AND OCCUPATION | KEEPING POULTRY AND BEES | LANGUAGE | SUBJECT | Start a colony Requirements for starting a colony. How sticking is done. Locating of apiary. Harvesting honey Equipment for harvesting hone e.g. bucket, knife, overall | Discussion Explanation Question and answers | Answering oral and written questions. Drawing the sentence of a bee. | Appreciation patience | A model of hone harvesting | MK Integrated Science bc Fountain Integrated science bo |
| 3 | 1 | | | | Describe the different method of law sting honey | Extraction of honey Ways of extracting honey from bee. Steps for honey harvesting Importance of honey. Industrial use of hone. Advantage of bee keeping. | Discussion Question and answers | Answering oral and written questions. | Appreciation patience | Wax Honey | MK Integrated Science bc Fountain Integrated science bo |
| | 2 | | | | | Topical questions | | | | | |

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| | | MATTER AND ENERGY | MEASUREMENT | Talks about measuring different objects and uses to correct English words to compare measurement. | States the different measurements of objectives | Measurement Definition of measurements Different measurement of objects in relation to size and weight i.e. long and short object. Heavy and light objects Instruments used in measuring length i.e. tape measure, meter. | Discussion Explanation Question and answers | Comparing different objects by mass weight and volume. | Logic endurance care | Ruler Beam balance Strings Sticks Ropes | MK Integrated Science bc Fountain Integrated science bo |
| | 6 | | | Spells the word correctly | Explains the need for standard measures of mass, weight, and volume. | Standard unit for measuring length Area Units for area Calculating area of rectangle, square, etc | Discussion Question and answers | Calculating area of quadrilaterals | Appreciation Patience | Strings | MK Integrated Science bc Fountain Integrated science bo |
| WK | PD | THEME | TOPIC | COMPETENCE | | CONTENT | METHOD | ACTIVITY | Life skill/value | L/D | REF |
| 4 | 1 | | | LANGUAGE | SUBJECT | Volume Definition of volume Units of volume Volume of regular objects Examples of regular objects Calculations of regular objects. | Discussion Question and answers | Collecting volume of regular objects | Appreciation patience | Bricks boxes | MK Integrated Science bc Fountain Integrated science bo |

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| | 2 | MATTER AND ENERGY | MEASUREMENT | Reads and write Scientific units used for measuring correctly. | Uses the correct instrument and apparatus to take measurements | Irregular objects Definition of irregular objects Examples of irregular objects. Methods used to find volume of irregular objects. Instruments used in finding volume of irregular objects | Discussion Question and answers | Answering oral and written questions | Logic Endurance Care | Cylinder Over flow can string | MK Integra Science bo Fountain Integrated science bo |
| 3 | 6 | | | Spells the words correctly | Explains the need for standard measures of mass, weight, and volume. | Experiment of volume of irregular objects. Requirements of experiment. Procedures observations Conclusion of the experiment Calculating volume of irregular objects Use of a string in the experiment. | Discussion Question and answers | Using the correct units of measure in different situation | Appreciation Patience | Measurem ent cylinder | MK Integra Science bo Fountain Integrated science bo |
| 4 | 4 | | | Spells the word correctly | Explains the need for standard measures of mass, weight, and volume. | Mass and weight Definition of mass and weight Units of mass and weight Instrument used to measure mass and weight Difference between mass and weight | Discussion Question and answers | Measuring mass, weight and volume using standard measures and correct instrument | Logic Endurance Care | Beam balance Spring balance | MK Integra Science bo Fountain Integrated science bo |

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| | 5 | MATTER AND ENERGY | MEASUREMENT | <p>LANGUANGE</p> <p>Spells the word correctly</p> | <p>SUBJECT</p> <p>Explains the needs for standard measures of mass, weight and volume</p> | <p>Mass and weight</p> <p>Definition of mass and weight. Units of mass and weight.</p> <p>Instrument used to measure mass and weight.</p> <p>Difference between mass and weight</p> | <p>Discussion</p> <p>Question and answers</p> | <p>Measuring mass, weight and volume using standard measures and correct instrument</p> | <p>Logic</p> <p>Endurance</p> <p>Care</p> | <p>Beam balance</p> <p>Spring balance</p> | <p>MK Integrated Science books</p> <p>Fountain Integrated science books</p> | |
| | 5 | MATTER AND ENERGY | MEASUREMENT | <p>Spells the word correctly</p> | <p>Explains the needs for standard measures of mass, weight, and volume</p> | <p>Density</p> <p>Definition of density.</p> <p>Densities of common substance in g/cc</p> <p>Instruments used to measure densities of liquids.</p> <p>Calculations involving density, mass and volume.</p> | <p>Discussion</p> <p>Question and answers</p> | <p>Using the correct units of measure in different situation</p> | <p>Appreciation</p> <p>Patience</p> | <p>Hydrometer</p> | <p>MK Integrated Science books</p> <p>Fountain Integrated science books</p> | |

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| 4 | 4 | MATTER AND ENERGY | MEASUREMENT | Spells the word correctly | Explains the needs for standard measures of mass, weight, and volume | Floating and sinking Definition of floating Reasons why objects float. Examples of floating objects. Definition of sinking. Reasons why objects sink. Examples of sinking. | Discussion Question and answers | Finding densities of different objectives | Logic Endurance Care | Basin Water String Ruler Cork | MK Integrated Science books Fountain Integrated science books | |
| 2 | 1 | HUMAN HEART | IMMUNISATION | Talks different types of immunity. Spells the relevant work correctly | Identifies the different types of immunity Sings songs about immunity | Immunization Definition of immunization description of immunity importance of the immunity. Types of immunity; Natural, artificial immunity. Ways of getting artificial immunity. | Discussion Explanation | Answering oral and written questions | Care Confidence Sympathy | Our environment | MK Integrated science Fountain integrated science Comprehensive book 5 | |
| WK | PD | THEME | TOPIC | COMPETENCE | | CONTENT | METHOD | ACTIVITY | Life skill | L/D | REF | RMK |
| | 2 | | IMMUNISA | LANGUANGE | SUBJECT | Vaccines | Observation | | Appreciation | | | |

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| | | HUMAN HEART | TION | Talks about different types of immunity. Spells the relevant works correctly | Identifies the different types of immunity. Sings songs about immunity | Defines of vaccines. Description of antibodies Types of vaccines e.g. toxoids, killed vaccine, attenuated vaccines. Examples. | Questions and answers | Answering oral and written questions | Patience | Our environment | | |
| | 1 | HUMAN HEART | IMMUNISATION | Reads and writes sentences and stories about immunization | Immunisable childhood diseases | Immunization administration Methods of administration i.e. oral and injection immunization sites vaccines. Administered age of immunization Reasons why some vaccines are given at different ages. | Observation Question And answers | Answering oral and written questions | Appreciation Patience | Our environment | MK Integrated science Fountain integrated science Comprehensive book 5 | |
| | 4 | HUMAN HEART | IMMUNISATION | Reads and writes sentences and stories about immunization. Recites poems about immunization | Identifies different vaccines and relates them to the immunisable | Participation in immunization. Roles of an individual in immunization. Roles of a community in immunization. | Observation Question and answers Explanation | Answering oral and written questions | Appreciation Patience | A child health card | MK Integrated science Fountain integrated science Comprehensive book 5 | |

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| | 1 | HUMAN BODY | DIGESTIVE SYSTEM | Names the different parts of the digestive system | Explains what the digestive system is. | Definition of digestion. Description of alimentary canal. Component of the digestive system. (alimentary canal) Enzymes description Characteristics of enzymes Structure of the digestive system | Discussion Explanation | Naming the different parts of the digestive system | Empathy Logic | A chart showing digestive system | MK Integrated science Fountain integrated science Comprehensive book 5 | |
| WK | PD | THEME | TOPIC | COMPETENCE | | CONTENT | METHOD | ACTIVITY | Life skill | L/D | REF | RMK |
| | | | | LANGUAGE | SUBJECT | <u>Digestion in the mouth.</u> Uses of the teeth during digestion. How saliva is useful in the mouth. Enzymes found in the saliva Food acted upon in the mouth. | Observation Question and answers Explanation | Drawing | Problem solving decision making | A chart showing digestive system | MK Integrated science Fountain integrated science Comprehensive book 5 | |
| | | | | Reads words, sentences and stories about the digestive system | Describes the functions of the different parts of the digestive system. | | | | | | | |

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| | 3 | HUMAN BODY | DIGESTION SYSTEM | Reads words, sentences and stories about the digestive system | Describes the function of the different parts of the digestive system | Digestion in the stomach Food is turned into chime. Wall of stomach produces gastric juice Enzymes found gastric Food acted upon by enzymes Uses of hydrochloric acid in the stomach | Discussion Explanation | Answering oral and written questions | Empathy Logic Concern | A chart showing digestive system | MK Integrated science Fountain integrated science Comprehensive book 5 | |
| | 4 | HUMAN BODY | DIGESTION SYSTEM | Reads words, sentences and stories about the digestive system | Describes the function of the different parts of the digestive system | Digestion in the duodenum Receives bile from the bile duct Bile contains salt that digests fats. Pancreas also produces pancreatic juice which has three enzymes act on remaining stomach proteins, and fats | Observation Question and answers Explanation | Answering oral and written questions | Problem solving decision making. | A chart showing digestive system | MK Integrated science Fountain integrated science Comprehensive book 5 | |

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| 6 | 5 | HUMAN BODY | DIGESTION SYSTEM | Reads words, sentences and stories about the digestive system | Describes the function of the different parts of the digestive system | Digestion in the ileum. Digestion is completed here. The wall of ileum produces a juice which contains four enzymes. Those enzymes | Discussion Explanation | Answering oral and written questions | Critical thinking Empathy | A chart showing digestive system | MK Integrated science Fountain integrated science Comprehen | |
| | | | | | | complete the digestion of food. Food is absorbed into blood stream from here through villi | | | | | sive book 5 | |
| | | HUMAN BODY | DIGESTION SYSTEM | Reads words, sentences and stories about the digestive system | Describes the function of the different parts of the digestive system | Digestion in the large intestine. Absorption of water un digested food is stored in the rectum that food is passed out through the anus as wastes | Observation Question and answers Explanation | Answering oral and written questions | Problem solving decision making. | A chart showing digestive system | MK Integrated science Fountain integrated science Comprehen sive book 5 | |

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| 7 | 1 | HUMAN BODY | DIGESTION SYSTEM | Draws and label is the different parts of the digestive system | Describes the function of the different parts of the digestive system | Describes the disorders of the digestion system. Diseases of the digestive system. Examples of disease, causes, signs and symptoms. Ways of preventing diseases of the system. | Discussion Explanation | Answering oral and written questions | Critical thinking Empathy | Our environment | MK Integrated science Fountain integrated science Comprehensive book 5 | |
| | 2 | HUMAN BODY | DIGESTION SYSTEM | Draws and labels the different parts of the digestive system | Describes the function of the different parts of the digestive system | Disorders of the digestion system Causes of those disorders. Ways of preventing disorders of the system Ways of maintaining proper working of the digestive system | Observation Question and answers Explanation | Answering oral and written questions | Problem solving decision making. | Our environment | MK Integrated science Fountain integrated science Comprehensive book 5 | |

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