SCHEME OF WORK FOR PRIMARY SIX TERM I

WK	PD	THEME	SUB-TOPIC	SUBJECT COMPETENCES	COMPETENCES		Suggested activities	REF	RMKS
					LANGUAGE	CONTENT			
	1	The world of living things	Classificatio n of living	The learner -Classifies livingthings into kingdoms. -Describes the characteristics of living things	The learner, -Names the kingdoms of living things -Spells out words correctly	Characteristics of living things Kingdoms of living things Animals kingdom. Plant kingdom Bacteria kingdom Protoctista (Single celled organism) Fungi kingdom	- Observin g character istc of living things - Identifyin g the kingdom of living things	Intergrated Sc P/s BK 6 Pg Fountain Sc P/s Bk 6 Pg _ Comprehensi ons Sc P/s	
	2	Animal Kingdo m	The learner, -Classifies animal kingdom into vertebrates -Learners gives examples of vertebrates and invertebrate	The learner -Names classes of animals -Spells out words correctly	Classes of animals kingdom -vertebrates -invertebrates -Give examples in each case	Identifying classes of animals Describing examples of classes of animal kingdon	- Integrate d Sc P/s Bk 6 - Fountain Sc P/s BK 6 - Compreh ensive Sc P/s Bk 6	Bk 6 - Spot light integrated sci P/s Bk6 - Understan ding	

	s					
3	Vertebrates	The learner, -Names groups of vertebrates	The learners -Classifies the groups of vertebrates into	-DefinitionGroups of verbrates	- Observin g groups of vertebrat es	
		-Spells out words correctly	warm blooded and cold blooded.	i)Warm blooded (Homoiollemic) ii)Cold blooded	- Spelling words related to vertebrat	
		-Reads words sentences and stories about vertebrates	-Gives examples of groups of vertebrates	(poikilothermic) examples of warm blooded	es - Reading words and sentence s related to	
			-Describes the mode of reproduction in vertebrates.	-Birds -Mammals	vertebrat es	
				Examples of cold blood		
				-Reptiles -Amphibians -Fish		
4	Warm blooded (Homoiothe rmic animals)	The learners -Names groups of vertebrates and gives examples in each group.	-The learner -Names groups of warm blooded animals	Definition Groups of worm blooded animals Examples in each group Characteristics of each group of warm	- Grouping animals - Observe the groups of warm blooded	

		-Spells out words correctly		blooded animals	animals	
		-Reads words related to groups of vertebrates correctly	-Describes the characteristics of groups of warm blooded animals		- Reading	
			-Describes the mode of reproduction in each case			
	Mammals	 The learners, Identifies the characteristics of mammals Describes different groups of mammals Identifies the characteristic features of each group of mammals Gives examples of groups o mammals 	The learner -Names groups of mammalsSpells out words related to mammals correctly	 Definition Characteristics of mammals Groups of mammals Characterizes of each group and examples 	- Observin g groups of mammal and their example - Spelling out words correctly	
			dialogue about groups of mammals			
	Birds	The learner Identifies characteristics of birds Describes groups of birds Describes their mode of feeding and reproduction	The learner -Names groups of birds -Spells out word related to birds	 Characteristics of birds Group of birds and examples. Characteristics of each group of words Advantage and disadvantages of birds 	- Observin g groups of birds - Describe advanta ges and disadvan	

Cold blooded (poikilothe mic animals)	The learner Names groups of cold blooded animals Names examples of groups of cold blooded animals. Describes the characteristics of groups of cold blooded animals Describes the mode of reproduction in cold blooded animals The learners	-Act diaglogue about groups of birds The learner -Names groups of cold blooded animals -Reads words related to cold blooded correctly -Spell out words correctly The learner	- A adaptations of birds to their environment (life) - Definition - Characteristics of groups of cold blooded animals - Examples of cold blood animals - Description of reptiles.	tages of birds - Spelling out words correctly - Observin g groups of cold blooded animals - Spelling out words correctly - Reading words and sentence s correctly - Observin	
	 Defines the term reptiles Describes different groups of reptiles. Describes characteristics and examples of each group. Describes their mode of reproduction 	-Names groups of reptiles -Gives examples of each group -Reads words related to reptiles -Spells, pronounces words correctly	Groups of reptiles. Characteristics of each group Examples in each group of reptiles	g group of reptiles - Spelling, pronounc ing and reading words correctly - Describin g mode of reproduc tion - Drawing	
Snakes	 The learners Describes the characteristics of snakes. 	- The learners - Names groups of	- Characteristics - Classification of snakes	- Observin g groups of	

	 Classifies the groups of snakes and their examples Describes the steps taken to give first aid for snake bite. Describes the importances of snakes to the environment Describes the mode of reproduction in snakes. 	snakes and their - Poisonous - Poisonous - Non poisonous - Examples in each class of birds Importances of snakes - Read words and sentences correctly about snakes	snakes - Classifyin g and naming groups of snakes - Demonst rating the steps in first aid for snake bite Drawing snakes
Tortoises , Turtles and terrapins	 The learner, Describes such groups of reptiles Identifies their characteristics according to their environment Describes the mode of reproduction in such reptiles 	-The learner, -Names the groups of such reptiles -Spells out words correctly	- Observin g the groups of reptiles - Read words sand sentence s about the groups of reptiles - Drawing
Lizards	 The learners Describes the groups of lizard Describes their mode of reproduction , feeding and protective / defence mechanism 	The learner -Names the example of lizards -Spells out words -Investigates their mode of feeding , reproduction - The learners - Characteristics of lizards - Adaptations of lizards to their environment	- Obserivn

		and protection	
Crocodi	Describes the characteristics of crocodiles and alligators Identifies the importance of importance of such reptiles	-Reads and writes sentences on such reptiles -Spells out the words environment - Their feeding / reproduction and defensive mechanisms	- Observin g character istics of crocodile and alligators - Read and writes sentence s about them - Drawing
Fish	 The learners Describes characteristics of fish Identifies types of fish Describe breathing mechanism in fish Identifies adaptation of fish to living in water Gives uses of fish to man 	-Spells pronounces and writes words correctly -Names different external parts of a fish - Characteristics of fish - Structure of fish - Functions of part of fish - Types of fish and examples under each type Adaptations of fish to living in water - Uses of fish to man	- Observin g parts of a fish - Drawing and naming parts of a fish - Giving uses of parts of a fish - Out lining uses of fish to man
Amphib	- The learner - Describes characteristics of amphibians - Names examples of amphibians - Describes differences between a frog and a toad - Describes reproduction in amphibians	-Outlines - Examples of amphibians - Differences between a frog and a toad - Reproduction	- Observin g some amphibia ns common in the locality - Naming amphibia ns

The	Olassas af	The leaves	amphibians -Reads words related to amphibians correctly	Definition	- Preparin g a simple differenti ation table for a fish and a frog - Drawing		
The world of living things	Classes of invertebrate s	 The learner Names examples of invertebrates Describes different classes of invertebrates mode of reproduction in invertebrates 	The learners -Names , group or classes of invertebrates -Spells and reads words correctly -Writes stories about invertebrates	- Definition of invertebrates - Characteristics of invertebrates - Classes of invertebrates	- Observin g different invertebr ates - Spelling exercise on words related to invertebr ates - Writing poems and stories about invertebr ates		
	Coelenterat es , Echinoderm s and sponges	The learners Names or describes characteristics of coelenterates , echinoderms and sponges. Names examples of coelenterates , echinoderms and sponges.	The learner -Names examples of coelenterates, Echinoderms and sponges. -Spells pronounces and reads words	- Characteristics of: - Coelenterates - Echinoderms - Sponges - Examples of - Coelenterates - Echinoderms	- Observin g diagrams of coelenter ates, echinode rms and sponges - Drawing diagrams of coelanter ates echinode	Fountain BK 6 Pg MK Bk 6 Pg	

		correctly	rms and sponges Compr Pri Scie Bk 6 PG
Mollu	- The learner - Describe the characteristic of molluscs - Names the examples of mulluscs - Describes their defence mechanism in molluscs	The learner -Names the examples of molluscs -Spells out words correctly -Write poems about molluscs - Characteristics of mulluscs - Examples of mulluscs - Adaptations of molluscs to their life - Importance of molluscs	- Drawing example - Observin g character istics of molluscs - Read and write sentence s about molluscs
Worm	- The learner - Describes the group of worms - Identifies the characteristics of each group of worms - Describes their mode of reproduction - Identifies the effect of worms to human bodies	The learners -Names the group of worms -Spells out words related to worm correctly -Names the characteristics of groups of worms - Characteristics of worms - Examples worms in each group - Importance of some worms and effects to our bodies	- Drawing - Reading writing sentence s about worms - Observin g the group of worms
Arthro	opods - The learner - Identifies the characteristics of arthropods - Describes the groups of arthropods Describes the characteristics of each group of arthropods with examples Describe their mode of	The learners -Names the group of arthropods -Spells out words related to - Characteristics of arthropods - Groups of arthropods - Mode of reproduction and feeding - Importance of insects to the environment	- Drawing - Naming the groups of arthropo ds - Observin g groups of

	-	reproduction and feeding Identify the importance of importance of insects to man and environment	arthropods -Reads and writes sentences on arthropod		arthropo ds - Reading and writing sentence s		
world k of living (s things c	Protoctista - kingdom - single celled organisms)	The learners Identifies characteristics of organism under protoctista kingdom Names organism under protoctista kingdom	The learners -Spells , pronounces and reads words related to protoctista kingdom correctly	 Characteristics of organisms under protoctista kingdom Examples of organism under protoctista kingdom (Algae , eugelena protozoa) 	- Charts showing algae , euglena and protozoa	Observing diagram of algae, euglena and protozoa -Spelling words	
p	Algae , - protozoa - and - Euglena	The learner Describes characteristics of algae, protozoa and euglena Names examples of algue and protozoa Identifies uses of algae Describes mode of movement of protozoa Describes mode of reproduction of protozoa	The learner -Spells and reads words correctly -Names examples of protozoa and algae -Writes and reads sentences related to algae to algae and protozoa	 Characteristics of algae Examples of algae Uses of algae Diagrams os algae Characteristics of euglena Diagram of euglena Characteristics of protozoa Examples of protozoa How protozoa reproduce and move Diagram of protozoa 	- Charts showing euglena, spirogyra , amoeba parameci um	Observing diagrams Diagram and labeling diagram Describing how amoeba and paramecium move and reproduce	Su ppl em ent ary Sci Pg 12 6 Intr o to Bio Pg 17 4 - 17 5

	Matter and energy	Sound energy	- The learner - Describes the term energy - Identifies forms of energy - Experiments on sound as a form of energy - Identifies sources of sound energy	The learners -Describes sound energy -Spells words related to sound correctly -Reads words sentences and stories about sound.	- Care for and protection of vertebrates and invertebrates - Definition os energy - Types of energy - Definition of sound - Natural sources of sound - Artificial sources of sound - How sound is produced - Types sounds - How sound travels	- Writing poem about and protectin g and invertebr ates - Carrying out experime nt on sound energy - Reading words sentence s and stories about sound	- Caring for vertebrates -Rulers -Drums -Bells -Stones -Desks -Sets	Mk Bk 6 Pg Int egr ate d Sci Bk 6 Pg
	How living things makes sound and how it travels		 The learner Describes how living things make sound Describes how sound travels through different media Calculations on sound 	The learner -Makes sounds of different animals -Spells words related to sound correctly	How living things make sound How sound travels in different media Speed of sound in different media Calculating numbers about sound	- Identifyin g different sounds if different objects - Calculate numbers on sound in air	Real insects -Drums -Desks Text books -Tins -Threads	Mk BK Pg Int egr ate d Sci Bk 6 Pg 6

a	Matters and Energy	Music instruments	 The learners States different groups of music instrument Names instruments under each group Draw and names some music instruments 	The learner -Names different classes of music instruments -Writes spells , Pronounces and reads words correctly -Writes words sentences and stories about music instrument	Groups of music instruments Examples under each group Diagrams of simple music instruments How each group produce sound How to change the pitch of each music instrument	- Classifyin g music instrume nts - Drawing and naming simple music instrume nt	-Drums -Bottle -Water -Ropes -Rubber -Bands -Shakers
		Pitch frequency and volume	 The learner - Describes pitch, frequency and volume of sound - Describes factors affecting pitch 	The learner -Describes factors affecting pitch -Correctly spells , pronounces and reads words related to pitch frequency and volume	Definition frequency pitch and volume of sound Factors affecting pitch How each factor affects pitch	- Giving the meaning of frequenc y pitch and volume - Stating factors affecting pitch	-Bigs and Small drums -Short and long strings -Empty and half full bottle of water

Man and ene		 The learner Describes the term echo States uses of echoes in nature Outline disadvantage of echoes Solves numbers related to echoes 	The learner -Reads words and sentences related to echoes correctly	Definition of echo Causes of echo Uses of echoes Disadvantages of echoes Minimizing echoes Calculating numbers related to echoes	- Defining echoes - Starting the uses of echoes - Solving question related to echoes	-Empty classroom -Text books thick Curtains
	Storing and reproducing sound	 The learner Identifies ways of storing sound States devices used to store sound Names devices used to reproduce sound 	The learner -Sings and reads soldas -Write words sentences and stories about storing and reproducing sound	Way of storing sound (reducing and writing) Devices used to store sound Devices used to reproduce sound	- Observin g devices used to store or reproduc e sound Drawing simple devices for storing or reproduci ng sound	-CD -VCDs -Memory Card -ipods
Mat and ene	d ear	 The learner Names different parts of the human ear Draws and labels the structure of the human ear States the use of each part of the human ear. Names the general uses of the human ear 	The learner -Names different parts of the human ear. -Names organs of hearing in fish , snakes insects, amphibians birds. -Reads and writes words related to human ear	- Parts of the human ear - Uses of part of the human ear. - General uses of the human ear - Names of organs of hearing in fish , snakes , insects , birds , amphibians	- Drawing the human ear - Naming parts of human ear - Labelling the human ear	-Text boks -Charts showing the human ear. -Model of the human ear -Chart showing organs of hearing other in other animals

			correctly			
	Diseases and disorders of the human ear and caring for the human ear	The learner Names discuss and disorder of the human ear. Discuss ways of caring for the human ear The learner The learner	The learner -Spell , pronounces and reads diseases and disorder of the human ear correctly -Reads sentences and stories on how to care for the human ear	Diseases and disorders of the human ear Ways of caring for the human ear	- Pronounc ing words - Reading stories - Discussin g ways of caring for the human	-Water -Soap -Cotton - ipods -Chart showing the human ear
Alcohol , smokin g and drug	Alcohol	The learner Describes the types of alcohol with examples Demonstrates the methods of making alcohol Identifies the uses of alcohol in society Identifies the effects of alcohol to the society Reasons for taking alcohol Ways of avoiding alcoholism Ugandan law related to alcohol taking	The learners -Names the types of alcohol -Spells out words correctly -Names the methods of making alcohol -Names the effects of alcohol	Definition Method of making alcohol. Types of alcohol with examples Uses of alcohol Effects of alcohol to the society. Reasons for taking alcohol Methods of avoiding alcoholism Laws related to alcohol taking in Uganda	- Drawing - Observin g the methods of making alcohol Observin g the types of alcohol - Demonst rate the effects by dramatizi ng - Act dialogue on alcohol	

	Smoking	The learner Names types of smoking Identifies reasons why people smoke Demonstrate the effects of smoking to the society Ways of avoiding smoking	-Identifies the reasons for taking alcohol -Names ways of avoiding alcohol -Recites the laws related to alcohol taking in Uganda The learner -Names the types of smoking -Spells the words correctly -Reads and writes sentences related to smoking	- Definition - Types of smoking Reasons for smoking -Effect of smoking to individuals families and societiesWays of avoiding smoking	- Drawing poster - Reading and writing sentence s - Demonst rates of smoking by dramatisi ng	
	Drugs	 The learner Identifies the characteristics of both laboratory and traditional drugs Names example of laboratory and traditional made drug Describes essential drugs with 	The learner, -Names characteristics of drugs.	Characteristics of laboratory / traditionally made drugs. Examples of drugs Essential drug with examples	- Reading and writing sentence s related to drugs.	

		examples - Drugs with example - Drug prescription Describe ways of storing drugs and the purpose Describes drug abuse and misuse	-Describes essential drugs and names examples -Describes drug prescription -Demonstration ways of storing drugs. -Defines drug abuse / misuses and their effects	Drug prescription Methods advantages of storing drugs Definition for drug misuse abuse and their effects.	g proper storage of drug.		
	Drugs dependency	 The learner Names common drugs of dependency Names the reasons for abusing drugs Identifies the effects of drugs of dependency to individuals families and society Identifies ways of avoiding drugs of dependency 	The learner -Names common drug -Names the reasons why reasons why people drink abuse drugs -Names the effects of drug abuse -Names the effects of drugs of dependence to a society	Definition Reasons why people abuse drugs Effects of drugs of dependence Ways of avoiding drugs of dependence	-		
Human body	Circulatory system	 The learner Describes blood circulation Mentions the components of the circulatory system 	The learner -Describe blood	Definition of blood circulation Components of thte circulatory system	- Observin g a model of the heart	-Model of the heart -Chart	Bk 6 Pg ountai n Bk

			- Describe the structure of the heart , uses of each part and the function of the heart	-Names components of the circulatory system -Spells , pronounces and writes words related to heart correctly	The structure of the heart Function of the heart Uses of each part of the heart	- Drawing the human heart - Labeling parts of the human correctly	showing the heart -Textbooks	6 Pg comp r Pri Sci Bk 6 page Intro to Bio Pg 93
		How the heart works and double circulation	The learner Describes how the heart works Describes double circulation	The learner -Describe how blood moves through the heart -Describes double circulation -Spells, pronounces and writes words related to double circulation correctly	How the heart work. Definition of double circulation Diagram showing double circulation Use of parts related to double circulation	- Describin g how the heart works - Draing the diagram showing double circulatio n - Labeling parts related to double circulatio n	-Model of the heart -Chart showing double circulation -Textbooks	Intro to Bio Pg 95 and 99 MK BK 6 Pg fount ain BK 6 Pg
	Human body	Blood groups and diseases and disorder of the circulatory	 The learner Describes blood group Identifies the universal donor and recipient Names diseases and disorders of the circulatory system Groups hereditary diseases alone 	The learner -Reads words related to the blood groups -Spells, pronounces ,	 Types of blood group Differentiating a blood donor from a recipient Diseases and disorders of the circulatory system Hereditary diseases of the circulatory system 	- Listing blood groups - Naming diseases and disorders of the circulator	-Text books -Charts	

Mai e proj wor the circ	aintenanc of the oper orking of e culatory stem	 The learner, Suggest ways of keeping the circulatory system in a proper working order. Describes ways of increasing the volume of blood in the body. List advantages of regular body exercises to the circulatory system 	writes and reads diseases and disorder and disorders correctly The learner -Explains ways of increasing the volume of blood in the blood in the body -Discusses effects of HIV / AIDS on an individual , family and the community -Writes and reads PIASCY messages.	- Effects of HIV / AIDS on an individual family and communityWays of keeping the circulatory system in a proper working orderWays of increasing the volume of blood in the bodyAdvantages of regular body exercises.	y system - Identifyin g compone nts of blood affected by some diseases - Discussin g effects of HIV / AIDS on an individua I family and communi ty - Oranges - Water melons - Water		
Human Bloc body vess		 The learner Describes what blood vessels are Identifies types of blood vessels Describes functions of each blood vessel Compares veins and arteries in structure and functions 	The learner -Names blood vessels -Reads words sentences and stories about blood vessels	 Definition of blood vessels Types of blood vessel Functions of:- Veins Arteries Capillaries Diagrams of veins , arteries and capillaries Structural functional differences between veins and arteries 	- Naming blood vessels - Giving uses of each blood vessel - Drawing diagram of blood vessel	-Chart showing blood vessel -Text books -Straws -Pieces of cylindrical objects	

Blood	 The learner Describes blood Identifies types of blood Names components of blood Describes uses of each component of blood. Identifies the general uses of blood Groups the uses of blood into transport , protective and regulatory uses. 	The learner -Spells pronounces and reads words correctly -Writes and reads stories about uses of blood.	 Definition of blood Types of blood (Oxygenated and Deoxenated) Components of blood. Uses of each component Uses of blood Transport Functions Protective functions Regulatory functions 	- Naming types of blood and its compone nts - Giving uses of plasma, platelets, white blood cells and red blood cells - Suggesting general functions of blood.	Text books	

TERM II

The worl of live thing	ing	The learner classifies plant in to flowering and non flowering plants names parts of a flowering	The leaner names classes of plants -Describes flowering plants	- Flowering plants - Defines flowering plants are plants which bear flowers and reproduce by means of seeds Structure of a flowering plantLeaves , flower , stems , fruits, seeds, roots function of each part.	- Observin g different flowering plants - Drawing and naming parts of a plant - States functions of each	-A flowering plant. -A chart showing a flowering plant	Fount ain integr ated Sci Bk 6 Pg 162
	Roofs	Learners draws different types of roots Gives examples of plants with such roots	Learners outlines functions of roots to a plant -Names different types of roots	Roots - Functions of roofs to plants uses of roots to animals Types of roots - Primary roots - Tap roots - Fibrous roots - Secondary roots - Adventitious roots - Clasping roots - Prop roots - Buttress roots - Storage root	part - Sorting samples of roots - Drawing roots - Naming	-Different roots -Charts showing roots	
The worl of liv thing	ring (stem)	Learner classifies plants into groups of flowering and non flowering plants Functions of stems	- The learner names the functions of stems - Spells scientific	Stems Functions of stems Types of stems Upright stems (erect) stems Under ground stems	- Drawing stems - Naming stem	- Onions - Ginger - Different stems	Fount ain integr ated Sci

	Leaves	The learner names the parts of a leaf Describes the functions of leaves Uses Characteristics to prepare simple classification of leaves	words correctly acts out a dialogue about types of stems. - The learner writes words about parts of leaves - Draws and labels parts of a leaf The learner writes words about parts of leaves - Reads words and sentences , stories about leaves	- Stem tubers - Rhizomes - Bulbs - Corns - Examples of each - Leaves - Parts of a leaf - Functions of leaves - Leaf venation - Net work leaf venation - Parallel leaf venation - Types of leaves - Compound leaves - Simple leaves - Examples of two types of leaves	- Drawing leaves - Naming leaves - Collectin g leaves from environm ent	- Real leaves - Chart showing leaves	Fount ain iinteg rated sci BK 6 Pg 168 - 171
	Photosynth esis	The learner Describes photosynthesis Names the conditions and raw materials for plant to carry out photosynthesis	- Writes description of photosynthesi s - Spells and writes words about photosynthesi s	- Photosynthesis - Dfn: - Requirements - Raw materials - Conditions - By products - How leaves are adapted to physenthsis - Testing for starch	- Carry out experime nt to test for starch	- Iodine solution - Cassava - Potato leaves	Fount ain integr ated Sci BK 6 Pg 171 - 173
	Transpiratio n	The learner Describes transpiration Name the importance of transpiration to plants	- The learner - Reads words, sentences and stories about transpiration	- Transpiration - Dfn: - Importance of transpiration - Factors which affects the rate of transpiration - Temperature - Water supply	- Carrying out an experime nt to test transpira tion in the plants environm	- Polythene paper - Rubber band - Plant	

Flowers	Learner draws the flower They name the parts of the flower	Dfn - Pistil - Stamen - Ovules - Corolla - Calyx	 Humidity Speed of wind Surface area of a leaf. Flowers Dfn Structure of a flower Reproductive parts of a flower Uses of flowers to Man Plants 	ent - Drawing - Naming parts of a flower	- A chart showing a flower - A flower	Fount ain integr ated Sci BK 6 Pg 176
Pollinat	- Defines the term pollination	- Describes agents of pollination - Reads words	- Wind - Insects	- Describe s - Characte ristics of wind and insect pollinate d flowers - Uses character istics to classify different types of pollinatio n	- Flowers	Tropi cal Bio Intro to Bio MK Sci Bk 6 Com prehe nsive Sci Bk 6 Fount ain interg rated Sci Bk 6 Pg

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Fruits	- The learner - Defines a fruits - Mentions types of fruits - Gives and identify types of fruits	- The learner names types of fruits - Characteristic s of each type	- Definition - Characteristics of fruits - Types of fruits - Succulent fruits	- Drawing fruits and naming different parts classifyin g - Drupes - Dehiscen t fruits - Characte ristics of each types and example importan ce of fruits	- Fruits and seeds - Grounding fruits	
Seed dispersal	The learner Describes seed dispersal Identifies agents of dispersal Names the characteristics of seeds dispersed by various	- The learner - Reads words, sentences and stories about seed dispersal - States the ways seeds are dispersed - State the characteristic s of the various seeds	Seed dispersal Dfn - Seed dispersal - Importance of seed dispersal eg Water - Wind - Animals - Self dispersal - Characteristics of seeds dispersed by - Water - Wind - Animals - Self dispersal	- Observe different plants in the environm ent - Carrying out a simple study to identify different seeds - Describin g methods of seed dispersal	- Seeds - Charts - Text books	
Plant propagation	- The learner describes plants propagation - Identifies methods of plant propagation	- The learner writes words about propagation	- Meaning of propagation - Methoids of plants propagation	- Observe different seeds - Carrying	- Stems - Bulbs - Seeds - Old tins	Fount ain interg

		- Participates in propagation of some plants	- Reads words sentences and stories about propagation	By seeds By vegetative propagation seeds A seed is a mature ovule Groups of seeds Monocotyledonous seeds Monocotyledonous	out experime nt planting seeds Identifyin g character istics of monocot s and dicots	- Growing plants	rated Sci Bk 6 Pg 67 Suppl emen tary Sci Std 8 MK
	Germinatio	The learner describes germination Names the requirements of seed germination Identify types of seed germination	The learner writes simple words about germination Reads words sentences and stories about seed germination Draw and labels different methods of plant propagation	Germination Dfn Types of germination Epigeal germination Hypogeal Epigeal germination Meaning of epigeal seeds which under go epigeal. Hypogeal Examples of seeds which undergo hypogeal germination conditions for germination. Moisture, oxygen, warmth Differenciate monocots and dicots	- Planting different seeds and observin g them - Caring for the plants	- Germinatin g seeds	
	Propagatio n	Describes plant propagation defines propagation correctly Identify types of propagation	- Writes simples description of some common plants	- Types of vegetative propagation - Natural - Artificial - Natural / vegetative propagation - Uses of rhizomes leaves, seeds, corn,	- Planting various crops	- Seeds - Leaves - Stems - Sucker etc	

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	Non – flowering plants	The learner names examples of non – flowering plants Uses characteristics to prepare simple classification of non – flowering plants	- Describe non flowering plants - Read words about non - flwering plants - Draw and label non - flowering plants	stem, tubers , suckers methods of artificial vegetative propagation - Stem cutting grafting , layering - Budding marcotting - Advantages of vegetative propagation - Importance of plants - Dfn of non – flowering plants - Spore producing plants - Ferns , mosses , liver worts - Reasons why regarded as plants - Have simple leaves , stems and roots - Structure of each - Conifers produced by means of seesds by do not bear flowers - Examples - Pine , cederfir, podo , gingko - Economic uses of conifers and general uses	- Discussin g about non – flowering plants - Observin g non – flowering plants - Discussin g example of non – flowering plants	- Mosses - Ferns - Fungi - Mushroom s - Charts	
Sci in Human activitie s and occupa tion	Keeping cattle	 The learner Identifies the different reasons for keeping cattle Identifies the different breeds of cattle Names the characteristics of each breed Identifies the difference between the different breeds Mention the advantages and disadvantages of each breed 	The learner names the reasons for keeping cattle Names the different breeds of cattle Acts out advantages about and	- Cattle - Dfn - Reasons for keeping cattle - External features of a cow - Breeds of cattle - Local / indigenous cattle - Exotic breed - Characteristics of each breed	- Observe different types of cattle types of cattle on a farm - Discussin g different breeds of cattle	- Real cattle	

				disadvantage s of exotic and local breeds.	differences between breeds of cattle (Local and exotic) - Advantages of local breeds over breeds. - Advantages of exotic breeds over local breeds breeds - Attendin g operatio n of cattle of cattle of a farm names, care feeding and their diseases	
	Types of cattle	-	The learner identifies the different breeds of cattle Identifies different breeds of cattle	- The learners acts out adia logue about external features of a bull and a cow	- Dairy cattle - Beef cattle - Dual purpose cattle - Work type of cattle different types / shapes cattle cattle	
	Reproductio n in cattle	-	The learner Reads words sentences and stories about mating , insemination , artificial insemination	- The reproductive organs a)Female b) Male reproductive organ. Parts and functions Reproduction in cattle - Heat in cattle - Mating in cattle. a)Pasture mating	- Naming different parts of the reproductive system Charts - Text books	

			b)Hand mating				
			- Insemination Advantages and disadvantage s of each type of insemination				
	Calf manageme nt	- Learner - States different ways of animal , identification	- Reads words sentences and stories about mating gestation period and calving in cattle.	- Calf management - Feeding a) Colostrums and its advantages b) Farm practices eg numbering , dehorning , disbudding , castration , deworming , spraying , dipping and removal of extra teats	- Discussin g ways of identifyin g animals	- A farm (real life situation)	
	Breeding in cattle	- Gives examples of breeds of cattle	- Dfn - Different types of breeding	Breeding in cattle Types of breeding Inbreeding Cross breeding Out breeding Line breeding	- Stating example of breeds of cattle	- A farm	-do-
	Cattle manageme nt	List different systems of grazing cattle	- Acts a dialogue about systems of grazing cattle	- Cattle management (cave) - Feeding a)Types of feeds b) Systems of grazing cattle c)Tettering d)Strip grazing	- Drawing the digestive system of a cow	- A chart showing the digestive system of a cow	

			e) Herding (free range) f) Digestive system of a cow			
Cattle manageme nt	The learner Describes making process Names more products	- The learner - Reads words about mating gestation period and calving	- Housing a) Importantce of housing cattle b)Types of cattle houses. Fence Importance of fencing b)Types of fences	- Observin g different milking process - Listing types of fences, stating importan ces of housing cattle	- A farm	Fount ain Inter grate d Sci BK 6 Pg 67 - 76
Cattle products	- The learner - States methods of pursing cattle products (Milk , meat, hides)	- The learner - Acts out a dialogue on how milking is done	- Milk and milk products - Measuring of milking - Methods of milking a)Handing milking b)Machine milking preservation of milk products importance of lacto meter and strip cup Other cattle products - Beef – cow during and urine - Horns blood hooves - Preservation of beef - Preparation of hides - Wet - salting - Suspension drying - Marketing cattle products	- Listing cattle products - Stating methods of preservat ion of cattel products	- Real milk products	

Cattle parasites and diseases	Identify and name the different diseases of cattle. Describes the causes signs and symptoms cattle diseases Mention the prevention control and treatment of the cattle diseases diseases	according to causes - Acts out a dialogue about cattle diseases - Spell the diseases of cattle and write them correctly - Cattle a)Protoz East coal - Anapl - Heart - Try po Signs and disease control b) Bacter - Anthra - Bruce - Calf se	ding to their s (organisms) rial diseases diseases of sickness in mission of good health mals diseases coa diseases eg est fever (ECF) asmosis water nosomiasis of the above iseases toms of ses prevention , ol and treatment erial diseases ax llosis cour etc	- Preparin g a visit to a farm to write up on cattle diseases Discussin g ways of stating alive stock farm - Carrying out activities which care and protect domestic animal	- A farm - Pictures of cattle	
Cattle diseases	 Identify the cattle diseases caused by virus Spell and write the diseases Name the cattle diseases caused by parasites. Identify and state ways of control 	stories and sentences about cattle diseases - Name and correctly spell - Mode	r pest other diseases ever bloat of transmission of the disease toms of the	- Visiting a farm and identifyin g the sick animals	- Real cattle	

	- Act out a dialogue about cattle diseases - Meaning of cattle parasites - Meaning of cattle parasites - Dangers of cattle Types of parasites - Ways of controlling different parasites - Farm records - Meaning , importance and types of farm records	
Record - The learner des records kept on a fa ldentify the import farm records	arm different - Health , labour	g importan books , ce of , various , records
Name the requiremen ts for starting live stock farm		

The environment		The learner Identifies resources from living and non living things Lists different types of rocks	each and importance - How some of the above can be obtained - The learner - Names resources - Describes living and non living things as resources	- Resources - Dfn - Ways of getting resources - Resources from non – living things such as soil , water , air and wind, sun , rock and minerals Types of rocks Igneous rocks - Metamorphic rocks - Sedimentary rocks - Fossils and uses - Importances of rocks - Alloys and reasons for	- Observin g things around us which are useful resource - Discusin g ways of proper harvestin g of resource	- Observing different rocks	
				making them - Examples of alloys - Manganese steel - Nick steel - Stain less steel - Cabalt steel			
	Mentions resources got from plants and animals	- Names different fuels	- Fuels - Charcoal, fire wood, oil coal, resource from living things - Plants eg medicine, food, fibres - Animals eg wool, silk, food, honey, horns etc - Animals also used to do work eg	- Discussing uses of different fuels	- Charcoal - Firewood - Oil	-	

		carrying ploughing transport				
Conservatio n of resources	- The learner participates in different ways of conserving environment	- Writes ways of caring from animal resources	- Conservation meaning of conservation - Reasons for conservation - Once over used resources become extinct or endangered - For future generations to see - Protect the environment - Non renewable resources by using 3R's.	- Discussin g ways of caring and conservin g resource - Practical preparin g campaig n message for sustaina ble use of resource		
	-	-	Reducing , rejecting , recycling B) conservation of renewable resources Replacing the used ones Reserving natural vegetation Use of wind lie conservation	-	-	
Harvesting of resources	- Outlines ways of controlling degradation of resources	- Gives different methods of harvesting resources	 Harvesting of resources Meaning of the term harvesting Proper harvesting and using of resources Importance of harvesting 	- Find out from communi ty how people use the available resource	-	
The human body	- Respiratory system	The learner Names respiratory organs	Respiratory system Meaning of respiration Products of respiration Respiration	- Observin g models of respirato ry organs	-	

				BreathingTypes of breathingRespiratory system.	- Carrying out an experime nt to illustrate breathin g in and out.	
		- Demonstrates an experiment on human respiration	- Listens to stories about breathing and respiratory	 Functions of each part of the system Nose Epiglottis Trachea Bronchus Lungs Alveoli (Air Sacs) Adaptabilities of air sacs 	-	- Real lungs of a cow - Chart showing lungs
	Diseases and disorders of the respiratory system	- Identities diseases and disorders of respiratory system	-	- Diseases of respiratory system infectious respiratory diseases - Tuberculosis - Influliza - Diphtheria - Pneumonia - Whooping cough - Causes of each of the above disease - Prevention and control of each disease	- Listing diseases of the respirato ry system	- Real lungs - Chart showing lungs
The human body	Diseases of the respiratory system	Name the non infectious diseases Identify the causes of respiratory diseases Describes the conditions that lead to non infectious respiratoty diseases	- Spells and writes words about non infectious diseases - Reading words, stories and sentences about non infectious respiratory	- Non – infections respiratory - Bronchitis - Emplhysema - Asthma - Lung cancer - Conditions that worsen the about disease - Disorders of the respiratory system - Choking	- Observin g model of the respirato ry organs - Carrying out experime nt to illustrate breathin g and out	-

		diseases	 Ways of keeping the system in a healthy conditions Regular physical body exercises 	in relation to food and oxygen		
			check – ups - Avoiding smoking	g diseases		
				disorder		
				S		
				- Listening		
				talks		
				from		
				resource		
				persons		

		Т	ERM III				
Science in human activitie s and occupa tion	Science at home and in our community	 Describes the preparation of drinking water Identify the uses of water in our community Participates in campaigns for preparation of safe water. Define heat Name the sources of heat Identify the uses of heat 	- Write words and sentences about the preparation of water - Outlines the various methods of preparing safe water Read words and sentences about water and using energy in homes	- Preparation of drinking water a)Uses of water in the community - Domestic use - Navigation - Recreation - Irrigation - Generation of HEP b) Methods of making water safe. Decantation - filtration - boiling - Chemical treatment - Using energy in homes - Definition of heat sources of heat eg fuels (wood, petrol, coal, drug, electricity, friction)	- Carrying out experime nts on different ways of preparin g safe water Preparin g clean water for drinking and washing - Discuss what makes water unsafe - Words and sentence s about safe water.		
		-	-	-	- Uses of heat - Food preservat ion - Cooking - Drying clothes - What wind is - Uses of wind - Sailing boats - Winnowi	-	

					ng - Turning wind mills - What fermenta tion is - Materials used in the process of fermenta tion brewing in homes.		
	Human health	- Housing - Standards - Sanitation	- Identifies types of houses - Describes the importance of house proper ventilation site for a house.	Names the types of houses Describes the importance of housing Recites rymes about sanitation Reads words, sentences and stories about sanitation. Writes words and sentences about sanitation	- Importan t of housing - Types of houses - Importan t of proper ventilatio n - Site for a house - Characte rizes of a good house - The meaning of sanitatio n	- Drawing different types of houses - Discussing importanc es of housing , requireme nts of a clean home / house - Discuss different housing systems.	
		-	-	-	- Ways of maintaini ng sanitatio n - Constrcti	-	

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						on of		
						latrines		
						and		
						toilets		
						consideri		
						ng		
						- Distance		
						from		
						kitchen		
						- Distance		
						from		
						main		
						house		
						- Digging		
						rubbish		
						pits		
						- Draining		
						stagnant		
						water		
						from the		
						compoun		
						d.		
						- Latrine		
						types of		
						latrines		
						a)Ordinary		
						latrines		
						ii)VIP		
						latrines		
						- Advantag		
						es of VIP		
						over		
						ordinary		
						pit		
						latrines		
	Human	Sanitation	- Identifies toilets , latrines and	- Names the	- Maintaining VIP toilets	- Drawing	-	
	health		potty.	types of	- Structures / parts and	different		
			- Names the types of latrine	latrines	functions	types of		
			- Describes the importance of	- Reads words	- Maintain toilets	latrines		
			latrine / toilets	sentences	- Problems of toilets	and		
			,	and stories	- Shortage of water	labeling		
				about latrines	supply	them		
1	l			about lutilités			1	

				- Blockage of sewage pipes	- Cleaning latrines and		
Human health	Accident and first aid	 Describes accidents and first aid Name types of accidents Describe the importance of first aid 	- Reads words , sentences and stories about accidents - Acts out a dialogue about accidents and first aid.	- Accidents and first aid - The meaning of accidents, first aid, casualty, first aid kit Items found in a first aid box Qualities of a good first aider - Reasons for giving first aid Types of accidents - Burn and scald - Fever and convulsion - Near drawing - Fainting - Foreign bodies - The meaning of poisoning - Causes of accidents and first aid - Prevention and control of each type.	toilets - Talking from a resource person (first aider) - Discussin g the causes, preventio n and first aid for fever and other types of accidents - Discuss the different safety precautio ns	-	
Human body	The reproductive system Growth development adolescence puberty	 The learner Describes growth and development in human beings Identify the primary and secondary characteristic Describes social, psychological and emotional changes during adolescence 	- Describes growth and development - Reads words, sentences and stories about puberty adolescence and care for the reproductive organs - Recites rymes about primary and secondary characteristic	Meaning of terms - Growth , development m reproduction, adolescence and puberty - Primary se characteristics - Meaning - Primary sex characteristics in boys - Primary sex characteristics in girls Secondary sex characteristics	- Making observati on of their own to identify growth and develop ment - Discussin g social and emotion al changes - Observin		

			dialogue about problems in adolescence	Meaning Secondary sex characteristics in girls only	g modes of reproduc tive organs.		
		-	-	-	- Psycholo gical and emotion al changes during adolesce nce - Meaning - Example s of psycholo gical and emotion al changes during adolesce nce	-	
The human body growth , develop ment and reprodu ction	Out of step adolescent changes	Learners States out Steps changes Gives problems faced by adolescents	Learner Carry out a dialogue about abortion Miscarriages Rape Arson	Out of step adolescent changes - Meaning - Examples of out of step adolescent changes - Problems faced by adolescents	- Discussin g problems faced by adolesce nt	-	
	Reproductio n	States types of reproduction Name parts of male and female reproductive organs	- Reads words , sentences and stories about reproduction - Writes about male and female	 Meaning of reproduction Types of reproduction Sexual reproduction Examples of sexual reproduction Vegetative propagation 	- Naming organs of reproduc tive organs - Drawing reproduc tive	-	

			reproduction organs	- Natural propagation - Artificial vegetative	organs.	
				propagation		