SCHEME OF WORK FOR PRIMARY SIX TERM 1 -3

WK	PD	THEME	SUB-TOPIC	SUBJECT COMPETENCES	COMPETENCES		Suggested activities	REF	RMKS
					LANGUAGE	CONTENT			
	1	The world of living things	Classification 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	- Observing characteristc of living things - Identifying the kingdom of living things	Intergrated Sc P/s BK 6 Pg _____ Fountain Sc P/s Bk 6 Pg _ Comprehensions Sc P/s Bk 6	
	2	Animal Kingdom	The learner, -Classifies animal kingdom into vertebrates	The learner -Names classes of animals -Spells out words correctly	Classes of animals kingdom -vertebrates - invertebrates	- Identifying classes of animals - Describing examples of classes of animal kingdon	- Integrated Sc P/s Bk 6 - Fountain Sc P/s BK 6 - Comprehensive Sc P/s Bk 6	- Spot light integrated sci P/s Bk6 - Understanding	

			-Learners gives examples of vertebrates and invertebrates		-Give examples in each case				
	3		Vertebrates	The learner, -Names groups of vertebrates -Spells out words correctly -Reads words sentences and stories about vertebrates	The learners -Classifies the groups of vertebrates into warm blooded and cold blooded. -Gives examples of groups of vertebrates -Describes the mode of reproduction in vertebrates.	-Definition. -Groups of verbrates i)Warm blooded (Homoiollemic) ii)Cold blooded (poikilothermic) examples of warm blooded -Birds -Mammals Examples of cold	- Observing groups of vertebrates - Spelling words related to vertebrates - Reading words and sentences related to vertebrates		

						blood -Reptiles -Amphibians -Fish			
	4		Warm blooded (Homoiothermic animals)	The learners -Names groups of vertebrates and gives examples in each group. -Spells out words correctly -Reads words related to groups of vertebrates correctly	-The learner -Names groups of warm blooded animals -Describes the characteristics of groups of warm blooded animals -Describes the mode of reproduction in each case	- Definition - Groups of worm blooded animals - Examples in each group - Characteristics of each group of warm blooded animals	- Grouping animals - Observe the groups of warm blooded animals - Reading		

			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 mammals. -Spells out words related to mammals correctly -Act out the dialogue about groups of mammals	- Definition - Characteristics of mammals - Groups of mammals - Characterizes of each group and examples	- Observing groups of mammal and their example - Spelling out words correctly		
			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 correctly -Act diaglogue about groups	- Characteristics of birds - Group of birds and examples. - Characteristics of each group of words - Advantage and disadvantages of birds - A adaptations of birds to their environment (life)	- Observing groups of birds - Describe advantages and disadvantages of birds - Spelling out words		

					of birds		correctly		
			Cold blooded (poikilothemic 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 learner -Names groups of cold blooded animals -Reads words related to cold blooded correctly -Spell out words correctly	- Definition - Characteristics of groups of cold blooded animals - Examples of cold blood animals	- Observing groups of cold blooded animals - Spelling out words correctly - Reading words and sentences correctly		
			Reptiles	- The learners - Defines the term reptiles - Describes different groups of reptiles. - Describes characteristics and examples of each group. - Describes their mode of reproduction	The learner -Names groups of reptiles -Gives examples of each group -Reads words related to reptiles	- Description of reptiles. - Groups of reptiles. - Characteristics of each group - Examples in each group of reptiles	- Observing group of reptiles - Spelling , pronouncing and reading words correctly		

					-Spells, pronounces words correctly		- Describing mode of reproduction - Drawing		
			Snakes	- The learners - Describes the characteristics of snakes. - 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.	- The learners - Names groups of snakes and their characteristics - Spells out words related to snakes correctly. - Acts dialogue on groups of snakes. - Read words and sentences correctly about snakes	- Characteristics - Classification of snakes - Snakes - Poisonous - Non poisonous - Examples in each class of birds. - Importances of snakes - Reproduction in snakes	- Observing groups of snakes - Classifying and naming groups of snakes - Demonstrating 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	-The learner, -Names the groups of such reptiles	- Characteristics - Their importance in the environment - Mode of reproduction	- Observing the groups of reptiles - Read		

				- Describes the mode of reproduction in such reptiles	-Spells out words correctly		words sand sentences 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 and protection	- The learners - Characteristics of lizards - Adaptations of lizards to their environment	- Observing the groups of lizard - Reads and writes sentences about lizard - Spell out words - Drawing		
			Crocodiles and alligator	- The learner - Describes the characteristics of crocodiles and alligators - Identifies the importance of importance of such reptiles	-The learners -Reads and writes sentences on such reptiles -Spells out	- Characteristics - Importances to the environment - Their feeding / reproduction and defensive mechanisms	- Observing characteristics of crocodile and alligators		

					the words		- Read and writes sentences 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	The learners -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	- Observing 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		
			Amphibians	- The learner - Describes characteristics of amphibians - Names examples of amphibians - Describes differences between a frog and a toad - Describes reproduction in amphibians	The learners -Outlines characteristics of amphibians -Write stories and poems	- Characteristics of amphibians - Examples of amphibians - Differences between a frog and a toad - Reproduction amphibians	- Observing some amphibians common in the locality - Naming amphib		

					about amphibians -Reads words related to amphibians correctly		ians - Preparing a simple differentiation table for a fish and a frog - Drawing		
		The world of living things	Classes of invertebrates	- 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	- Observing different invertebrates - Spelling exercise on words related to invertebrates - Writing poems and stories about invertebrates		

			Coelenterates , Echinoderms 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 correctly	- Characteristics of: - Coelenterates - Echinoderms - Sponges - Examples of - Coelenterates - Echinoderms	- Observing diagrams of coelenterates , echinoderms and sponges - Drawing diagrams of coelanterates echinoderms and sponges	Fountain BK 6 Pg MK Bk 6 Pg ComprPriScieBk 6 PG	
			Molluscs	- 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 - Observing characteristics of molluscs - Read and write		

							sentences about molluscs		
			Worms	- 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 sentences about worms - Observing the group of worms		
			Arthropods	- 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 reproduction and feeding - Identify the importance of importance of insects to	The learners -Names the group of arthropods -Spells out words related to arthropods -Reads and writes	- Characteristics of arthropods - Groups of arthropods - Mode of reproduction and feeding - Importance of insects to the environment	- Drawing - Naming the groups of arthropods - Observing groups of arthropods		

				man and environment	sentences on arthropod		- Reading and writing sentences		
		The world of living things	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	
			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 paramecium	- Observing diagrams - Diagram and labeling diagram - Describing how amoeba and paramecium move and reproduce	Supplementary Sci Pg 126 Intro to Bi

									o Pg 174 - 175
				-		- Care for and protection of vertebrates and invertebrates	- Writing poem about and protecting and invertebrates	- Caring for vertebrates	
		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.	- Definition os energy - Types of energy - Forms of energy - Definition of sound - Natural sources of sound - Artificial sources of sound - How sound is produced - Types sounds - How sound travels	- Carrying out experiment on sound energy - Reading words sentences and stories about sound	-Rulers -Drums -Bells -Stones -Desks -Sets	Mk Bk 6 Pg Integrated 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	- Identifying different sounds if different objects - Calculate numbers on sound in air	Real insects -Drums -Desks Text books -Tins -Threads	Mk BK Pg Integrated Sci Bk 6 Pg 6
		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	- Groups of music instruments - Examples under each group - Diagrams of simple music instruments - How each group produce sound	- Classifying music instruments - Drawing and naming	-Drums -Bottle -Water -Ropes	

					instruments -Writes spells , Pronounces and reads words correctly -Writes words sentences and stories about music instrument	- How to change the pitch of each music instrument	simple music instrument	-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 frequency pitch and volume - Stating factors affecting pitch	-Bigs and Small drums -Short and long strings -Empty and half full bottle of water	
		Matters and	Echo	- The learner - Describes the term echo	The learner	- Definition of echo - Causes of echo	- Defining	-Empty	

		energy		- States uses of echoes in nature - Outline disadvantage of echoes - Solves numbers related to echoes	-Reads words and sentences related to echoes correctly	- Uses of echoes - Disadvantages of echoes - Minimizing echoes - Calculating numbers related to echoes	echoes - Starting the uses of echoes - Solving question related to echoes	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	- Observing devices used to store or reproduce sound. - Drawing simple devices for storing or reproducing sound	-CD -VCDs -Memory Card -ipods	
		Matter and energy	The human 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.	The learner -Names different parts of the 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 ,	- Drawing the human ear - Naming parts of human ear	-Text boks -Charts showing the human ear.	

				- Names the general uses of the human ear	-Names organs of hearing in fish , snakes insects, amphibians birds. -Reads and writes words related to human ear correctly	snakes , insects , birds , amphibians	- Labelling the human ear	-Model of the human ear -Chart showing organs of hearing other in other animals	
			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 -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	- Pronouncing words - Reading stories - Discussing ways of caring for the human	-Water -Soap -Cotton - ipods -Chart showing the human ear	

		Alcohol, smoking 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 -Identifies the reasons for taking alcohol -Names ways of avoiding 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 - Observing the methods of making alcohol. - Observing the types of alcohol - Demonstrate the effects by dramatizing - Act dialogue on alcohol		

					-Recites the laws related to alcohol taking in Uganda				
			Smoking	- The learner - Names types of smoking - Identifies reasons why people smoke - Demonstrate the effects of smoking to the society - Ways of avoiding smoking	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 societies - -Ways of avoiding smoking	- Drawing poster - Reading and writing sentences - Demonstrates of smoking by dramatising		
			Drugs	- The learner - Identifies the characteristics of both laboratory and traditional drugs - Names example of laboratory and traditional made drug - Describes essential drugs with examples	The learner, -Names characteristics of drugs. -Describes essential drugs and	- Characteristics of laboratory / traditionally made drugs. - Examples of drugs - Essential drug with examples - Drug prescription - Methods advantages of storing drugs	- Reading and writing sentences related to drugs. - Observing		

				- Drugs with example - Drug prescription. - Describe ways of storing drugs and the purpose. - Describes drug abuse and misuse	names examples -Describes drug prescription -Demonstration ways of storing drugs . -Defines drug abuse / misuses and their effects	- Definition for drug misuse abuse and their effects.	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	- Definition - Reasons why people abuse drugs - Effects of drugs of dependence - Ways of avoiding drugs of dependence	-		

					effects of drugs of dependence to a society				
		Human body	Circulatory system	- The learner - Describes blood circulation - Mentions the components of the circulatory system - Describe the structure of the heart , uses of each part and the function of the heart	The learner -Describe blood circulation -Names components of the circulatory system -Spells , pronounces and writes words related to heart correctly	- Definition of blood circulation - Components of thte circulatory system - The structure of the heart - Function of the heart - Uses of each part of the heart	- Observing a model of the heart - Drawing the human heart - Labeling parts of the human correctly	-Model of the heart -Chart showing the heart -Textbooks	Bk 6 Pg Fountain Bk6 Pgcompr Pri SciBk 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	- How the heart work. - Definition of double circulation - Diagram showing double circulation - Use of parts related to double circulation	- Describing how the heart works - Draing the diagram showin	-Model of the heart -Chart showing double circulation	Intro to Bio Pg 95 and 99

					double circulation -Spells, pronounces and writes words related to double circulation correctly		g double circulation - Labeling parts related to double circulation	-Textbooks	MK BK 6 Pg fountain BK 6 Pg
		Human body	Blood groups and diseases and disorder of the circulatory system	- 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 , writes and reads diseases and disorder and disorders correctly	- 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 circulatory system - Identifying components of blood affected by some diseases	-Text books -Charts	

			Maintenance of the proper working of the circulatory system	- 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	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 community - -Ways of keeping the circulatory system in a proper working order. - -Ways of increasing the volume of blood in the body. - -Advantages of regular body exercises.	- Discussing effects of HIV / AIDS on an individual family and community - Oranges - Water melons - Water		
		Human body	Blood vessel	- 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	- Naming blood vessels - Giving uses of each blood vessel - Drawing diagram of	-Chart showing blood vessel -Text books -Straws -Pieces of cylindrical	

						differences between veins and arteries	blood vessel	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 components - Giving uses of plasma , platelets, white blood cells and red blood cells - Suggesting general functions of blood.	Text books	

TERM II									
		The world of living things	Classification of plants	- 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 plant - -Leaves , flower , stems , fruits, seeds, roots function of each part.	- Observing different floweri ng plants - Drawin g and naming parts of a plant - States functio ns of each part	-A flowering plant. -A chart showing a flowering plant	Fou ntai n inte grat ed SciB k 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	- Sorting sample s of roots - Drawin g roots - Naming	-Different roots -Charts showing roots	

		The world of living things	Classification of plants (stem)	- Learner classifies plants into groups of flowering and non flowering plants - Functions of stems	- The learner names the functions of stems - Spells scientific words correctly acts out a dialogue about types of stems.	- Stems - Functions of stems - Types of stems - Upright stems (erect) stems - Under ground stems - Stem tubers - Rhizomes - Bulbs - Corns - Examples of each	- Drawing stems - Naming stem	- Onions - Ginger - Different stems	Fountain integrated SciBkPg 166
			Leaves	- The learner names the parts of a leaf - Describes the functions of leaves - Uses - Characteristics to prepare simple classification of leaves	- 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	- 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 - Collecting leaves from environment	- Real leaves - Chart showing leaves	Fountain iintegratedsci BK 6 Pg 168 - 171
			Photosynthesis	- The learner - Describes photosynthesis - Names the conditions and	- Writes description of	- Photosynthesis - Dfn: - Requirements	- Carry out experi	- Iodine solution - Cassava	Fountai

				raw materials for plant to carry out photosynthesis	photosynthesis - Spells and writes words about photosynthesis	- Raw materials - Conditions - By products - How leaves are adapted to physenthsis - Testing for starch	ment to test for starch	- Potato leaves	n integrated Sci BK 6 Pg 171 - 173
			Transpiration	- 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 - Humidity - Speed of wind - Surface area of a leaf.	- Carrying out an experiment to test transpiration in the plants environment	- Polythene paper - Rubber band - Plant	
			Flowers	- Learner draws the flower - They name the parts of the flower	**Dfn** - Pistil - Stamen - Ovules - Corolla - Calyx	- Flowers - Dfn - Structure of a flower - Reproductive parts of a flower **Uses of flowers to** - Man - Plants	- Drawing - Naming parts of a flower	- A chart showing a flower - A flower	Fountain integrated Sci BK 6 Pg

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			Pollination and fertilization	- The learner - Defines the term pollination - Lists down agents of pollination mentions types of pollination - Explains the characteristics of - Wind and insect pollinated flower - Describes the process of fertilisation	- The learner - Defines - Pollination - Describes agents of pollination - Reads words and stories about pollination	- Pollination and fertilization - Definition of pollination - **Agent of pollination** - Wind - Insects - Birds - Water - **Types of pollination** - Self poolination - Definition - Characteristics of cross pollinated flowers - Characteristics of wind pollinated flowers. - Fertilization	- Describes - Characteristics of wind and insect pollinated flowers - Uses characteristics to classify different types of pollination	- Flowers	Tropical Bio Intro to Bio MK SciBk 6 Comprehensive SciBk 6 Fountain intergratedSciBk 6 Pg1

			Fruits	- The learner - Defines a fruits - Mentions types of fruits - Gives and identify types of fruits	- The learner names types of fruits - Characteristics of each type	- Definition - Characteristics of fruits - Types of fruits - Succulent fruits	- Drawing fruits and naming different parts classifying - Drupes - Dehiscent fruits - Characteristics of each types and example importance 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 characteris	**Seed dispersal** **Dfn** - Seed dispersal - Importance of seed dispersal eg. - Water - Wind - Animals - Self dispersal - Characteristics of seeds dispersed	- Observe different plants in the environment - Carrying out a simple study to identify differen	- Seeds - Charts - Text books	

					tics of the various seeds	by - Water - Wind - Animals - Self dispersal	t seeds - Describing methods of seed dispersal		
			Plant propagation	- The learner describes plants propagation - Identifies methods of plant propagation - Participates in propagation of some plants	- The learner writes words about propagation - Reads words sentences and stories about propagation	- Meaning of propagation - Methoids of plants propagation - By seeds - By vegetative propagation seeds - A seed is a mature ovule - Groups of seeds - Monocotyledonous seeds - Monocotyledonous	- Observe different seeds - Carrying out experiment plantin g seeds - Identifying characteristics of monocots and dicots	- Stems - Bulbs - Seeds - Old tins - Growing plants	Fountain intergratedSciBk 6 Pg 67 Supplementary SciStd 8 MK
			Germination	- The learner describes germination - Names the requirements of seed germination - Identify types of seed germination	- The learner writes simple words about germination - Reads	**Germination** **Dfn** - **Types of germination** - Epigeal germination	- Planting different seeds and observing them	- Germinating seeds	

					words sentences and stories about seed germinatio n - Draw and labels different methods of plant propagatio n	- Hypogeal - Epigeal germination - Meaning of epigeal seeds which under goepigeal. **Hypogeal** - Examples of seeds which undergo hypogeal germination conditions for germination. Moisture , oxygen , warmth - Differenciate monocots and dicots	- Caring for the plants		
			Propagati on	- 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 , stem, tubers , suckers methods of artificial vegetative propagation - Stem cutting grafting , layering	- Plantin g various crops	- Seeds - Leaves - Stems - Sucker etc	

						- Budding marcotting - Advantages of vegetative propagation - Importance of plants			
			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	- 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	- Discussing about non – flowering plants - Observing non – flowering plants - Discussing example of non – flowering plants	- Mosses - Ferns - Fungi - Mushrooms - Charts	
		Sci in Human activities and	Keeping cattle	- The learner - Identifies the different reasons for keeping cattle - Identifies the different breeds of cattle - Names the characteristics of each breed	- The learner names the reasons for keeping cattle - Names the different	- **Cattle** - **Dfn** - Reasons for keeping cattle - External features of a cow - Breeds of cattle	- Observe different types of cattle types of	- Real cattle	

		occupation		- Identifies the difference between the different breeds - Mention the advantages and disadvantages of each breed	breeds of cattle - Acts out advantages about and disadvantages of exotic and local breeds.	- Local / indigenous cattle - Exotic breed - Characteristics of each breed differences between breeds of cattle (Local and exotic) - Advantages of local breeds over breeds. - Advantages of exotic breeds over local breeds	cattle on a farm - Discussing different breeds of cattle - Attending operation of cattle of cattle on 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 adialogue about external features of a bull and a cow	- Types of cattle - Dairy cattle - Beef cattle - Dual purpose cattle - Work type of cattle characteristics , shape and example of each breed	- Drawing different types / shapes of cattle	- Real cattle - Charts showing cattle	

						- Difference between dairy and beef cattle			
			Reproduction 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 b)Hand mating - Inseminati on Advantage	- Naming different parts of the reproductive system.	- Charts - Text books	-	

					s and disadvantages of each type of inseminati on				
			Calf manage ment	- 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	- Discuss ing ways of identify ing animal s	- 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 exampl e of breeds of cattle	- A farm	-do-
			Cattle manage ment	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	- Drawin g the digestiv e system of a cow	- A chart showing the digestive system of a cow	

						grazing cattle c)Tettering d)Strip grazing e) Herding (free range) f) Digestive system of a cow			
			Cattle manage ment	- 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	- Observi ng differen t milking process - Listing types of fences , stating importa nces of housing cattle	- A farm	Fou ntai n Inter gratedS ci 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	- Listing cattle product s - Stating method s of preserv ation of	- Real milk products	

						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	cattel 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	- Names the diseases of cattle according to causes - Acts out a dialogue about cattle diseases - Spell the diseases of cattle and write them correctly	- Cattle diseases according to their causes (organisms) a)Bacterial diseases b) Vibral diseases **signs of sickness in animals.** - Transmission - Signs of good health in animals - Cattle diseases a)Protozoa diseases	- Preparing a visit to a farm to write up on cattle diseases. - Discussing ways of stating alive stock farm	- A farm - Pictures of cattle	

						eg East coast fever (ECF) - Anaplasmosis - Heart water - Try ponosomiasis Signs of the above and diseases - Symptoms of diseases prevention , control and treatment b) Bacterial diseases - Anthrax - Brucellosis - Calf scour etc	- Carrying out activities which care and protect domestic animal		
			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	- Reads words stories and sentences about cattle diseases - Name and correctly spell the cattle diseases - Write words about cattle diseases	- **Viral diseases** - Foot and mouth disease - Rinder pest other cattle diseases - Milk fever bloat - Mode of transmission **Signs of the disease** - Symptoms of the disease - Prevention and control of each disease	- Visiting a farm and identifying the sick animals	- Real cattle	

					- Act out a dialogue about cattle diseases	**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 keeping	- The learner describes the records kept on a farm - Identify the importance of the farm records	- Name different records kept on a farm	- Types of records - Health , labour, records, marking records, field records, filed records, inventories, dairy recorded - Meaning of each of the above records. - Reasons for keeping such a record on alive stock	- Stating the importance of various records	- Charts pupils text books	
			Name the requirements for starting live stock	- Acts a dialogue on how to start a farm	- Requirements of starting alive stock farm - Factors to consider	- Discussion on ways of starting a farm	-	-	

			farm		before starting alive stock farm - Land , labour , capital ready market , management t , machinery etc - Meaning of each and importance - How some of the above can be obtained				
		The environment	Resources in the environment	- The learner - Identifies resources from living and non living things - Lists different types of rocks	- 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	- Observing things around us which are useful resource - Discusing ways of proper harvesting of	- Observing different rocks	

						- **Importances of rocks** - Alloys and reasons for making them - Examples of alloys - Manganese steel - Nick steel - Stain less steel - Cabalt steel	resourc e		
			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 egcarrying ploughing transport	- Discussing uses of different fuels	- Charco al - Firewoo d - Oil	-	
			Conservat ion 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	- Discuss ing ways of caring and conserv	-	

						resources become extinct or endangered - For future generations to see - Protect the environment - Non renewable resources by using 3R's.	ing resource - Practical preparing campaign message for sustainable 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 community how people use the availabl	-	

							e resourc e		
			The human body	- Respiratory system	- The learner - Names respiratory organs	- Respiratory system - Meaning of respiration - Products of respiration - Respiration organs - Breathing - Types of breathing - Respiratory system.	- Observi ng models of respirat ory organs - Carryin g out an experi ment to illustrat e breathi ng 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 respirator	- Identities diseases and disorders of respiratory system	-	- Diseases of respiratory system infectious respiratory diseases - Tuberculosis	- Listing disease s of the respirat ory system	- Real lungs - Chart showing lungs	

			y system			- Influliza - Diphtheria - Pneumonia - Whooping cough - Causes of each of the above disease - Prevention and control of each disease			
		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 infectiousrespiratoty diseases	- Spells and writes words about non infectious diseases - Reading words, stories and sentences about non infectious respiratory diseases	- Non – infections respiratory - Bronchitis - Emplhysema - Asthma - Lung cancer - Conditions that worsen the about disease - Disorders of the respiratory system - Choking - Ways of keeping the system in a healthy conditions - Regular physical body exercises - Routine medical check – ups - Avoiding smoking	- Observing model of the respiratory organs - Carrying out experiment to illustrate breathing and out in relation to food and oxygen - Discussing diseases disorders - Listenin	-	

							g talks from resourc e persons		

TERM III									
		Science in human activities and occupation	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 experiments on different ways of preparing safe water. - Preparing clean water for drinking and washing - Discuss what makes water unsafe - Words and sentences about safe water.	-	
				-	-	-	- Uses of heat	-	

							- Food preservation - Cooking - Drying clothes - What wind is - Uses of wind - Sailing boats - Winnowing - Turning wind mills - What fermentation is - Materials used in the process of fermentation brewing in homes.		
			Human health	- Housing - Standards - Sanitation	- Identifies types of houses - Describes the	- Names the types of houses - Describes the importance of housing	- Important of housing - Types of	- Drawing different types of houses - Discussi	

					importance of house proper ventilation site for a house.	- Recites rymes about sanitation - Reads words, sentences and stories about sanitation. - Writes words and sentences about sanitation	houses - Importa nt of proper ventilat ion - Site for a house - Charact erizes of a good house - The meanin g of sanitati on	ng importan ces of housing , requirem ents of a clean home / house - Discuss different housing systems.	
				-	-	-	- Ways of maintai ning sanitati on - Constrc tion of latrines and toilets conside ring - Distanc e from kitchen - Distanc e from main house	-	

							- Digging rubbish pits - Draining stagnant water from the compound . - Latrine types of latrines a)Ordinary latrines ii)VIP latrines - Advantages of VIP over ordinary pit latrines		
		Human health	Sanitation	- Identifies toilets , latrines and potty. - Names the types of latrine - Describes the importance of latrine / toilets	- Names the types of latrines - Reads words sentences and stories	- Maintaining VIP toilets - Structures / parts and functions - Maintain toilets - Problems of toilets	- Drawing different types of latrines and	-	

					about latrines	- Shortage of water supply - Blockage of sewage pipes	labeling them - Cleaning latrines and toilets		
		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.	- Talking from a resource person (first aider) - Discussing the causes , prevention and first aid for fever and other types of accidents - Discuss the different safety precautions	-	
		Human	The reproduct	- The learner - Describes growth and development in human	- Describes growth and developme	**Meaning of terms** - Growth ,	- Making observation of	-	

		body	ive system Growth development adolescence puberty	beings - Identify the primary and secondary characteristic - Describes social , psychological and emotional changes during adolescence	nt - Reads words, sentences and stories about puberty adolescence and care for the reproductive organs - Recites rymes about primary and secondary characteristic dialogue about problems in adolescence	development m reproduction, adolescence and puberty - **Primary se characteristics** - Meaning - Primary sex characteristics in boys - Primary sex characteristics in girls **Secondary sex characteristics** Meaning - Secondary sex characteristics in girls only	their own to identify growth and development - Discussing social and emotional changes - Observing modes of reproductive organs.		
				-	-	-	- Psychological and emotional changes during adolescence - Meaning	-	

							- Examples of psychological and emotional changes during adolescence		
		The human body growth, development and reproduction	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	- Discussing problems faced by adolescent	-	
			Reproduction	- States types of reproduction - Name parts of male and female reproductive organs	- Reads words, sentences and stories about reproduction - Writes about male and female reproductio	- Meaning of reproduction - Types of reproduction - Sexual reproduction - Examples of sexual reproduction - Vegetative propagation	- Naming organs of reproductive organs - Drawing reproductive organs.	-	

					n organs	- Natural propagation - Artificial vegetative propagation			