P.4 SCIENCE SCHEME TERM III

WK	PD	THEME	TOPIC	SUB TOPIC	SUBJECT COMPETENCE	LANGUAGE COMPETENCE	CONTENT	METHODS	ACTIVITY	SKILLS	T/AIDS	REF
1	1	**Human health**	Communicable intestinal diseases and worm infestation	Communicable diseases	**The learner;** Defines communicable intestinal diseases Mentions the examples of such diseases describes how such diseases are spread	**The learner;** Reads and writes words and sentences correctly Spells words like communicable, deficiency, intestine and health Infestations	**Communicable diseases** Definition of communicable diseases. Examples of communicable diseases **Communicable intestinal diseases** Definition Examples How they spread **Difference between communicable and non-communicable diseases** <u>Non- communicable diseases</u> -All deficiency diseases -Suckle cell anaemia -Cancer	▪ Guided discovery ▪ Question and answer	▪ Naming common communicable diseases	▪ Care ▪ Effective communication	▪ Learners' experience	▪ Comp. Primary Science book 4 page 122
	2	**Note:** Communicable intestinal diseases are also called diarrhoeal diseases			**The learner;** Defines diarrhoea Gives causes Writes the 4Fs in full States the effect of diarrhoea to human health	**The learner;** Spells words like -diarrhoea -severe -dehydration -excessive	**Diarrhoea** Definition Cause – bacteria or viruses The 4Fs germ path Danger of excessive diarrhoea Prevention and control of diarrhoea	▪ Guided discussion	▪ Naming the 4Fs disease germ path	▪ Effective communication ▪ Care	▪ Chalk board illustration	▪ MK primary Science book 4 page 122
	3	**Note:** Communicable			**The learner;** Defines dysentery Explains how dysentery spreads Mentions at least three	**The learner;** Pronounces words like -Dysentery -Stains -Stool	**Dysentery** Definition How it spreads Cause of dysentery	▪ Self discovery ▪ Question and	▪ Explaining how dysenter	▪ Problem solving ▪	▪ Chalk board	▪ MK primary

					signs and symptoms of dysentery	-Watery	Signs and symptoms of dysentery					
	4	**Human health**	Communicable intestinal diseases and worms	communicable diseases	**The learner** Describes the cause and spread of cholera Mentions the signs of cholera Explains the way of controlling cholera	**The learner;** Reads and spells words and sentences Pronounces words correctly	**Cholera** What causes Cholera? How is cholera spread? Signs of cholera Prevention of cholera Effects of cholera on human health	▪ Guided discussion ▪ Question and answer technique	▪ Stating the preventive and control measures for cholera	▪ Problem solving ▪ Self esteem	▪ Drawn chart showing a cholera patient	▪ Primary 4 syllabus page 17 ▪ Comp. Scine page 102
	5	**Human health**	Communicable intestinal diseases	communicable diseases	**The leaner;** Mentions the cause of typhoid Explains how typhoid spreads Mentions the signs and	**The learner;** Reads and writes words and sentences correctly Tells stories about typhoid outbreak	**Typhoid** Causes of typhoid How typhoid is spread Signs and symptoms of typhoid Prevention and control of typhoid	▪ Guided discovery ▪ Brain storming	▪ Stating the signs and symptoms	▪ Critical thinking ▪ Empathy	▪ Chalkboard illustration	▪ Primary 4 syllabus page 17

					symptoms of typhoid Explains how to prevent typhoid	Diarrhoeal Faecal Faeces	Effect of typhoid on human health					
2	1	**Human Health**	Communicable intestinal diseases and worms	Communicable diseases	**The learner;** Defines dehydration Mentions the cause of dehydration Describes the signs of dehydration Explains the treatment for dehydration Describes how to make ORS in four sentences	**The learner;** Describes the steps of making ORS. Reads and spells words like -dehydration -rehydration -solute -solvent -dissolves	**Dehydration** Definition Causes of dehydration Salts lost during dehydration The signs of dehydration Treatment and prevention of dehydration **Oral rehydration solution** In full and short Importance to the victim Materials used for preparing ORS – sugar, salt, safe drinking water Uses of each Steps involved in making ORS.	▪ Self discovery ▪ Question and answer technique ▪ Experimentation	▪ Describing the steps involved in preparing ORS	▪ Problem solving ▪ Critical thinking	▪ Chalkboard illustration	▪ Comp. Science page 80 ▪ MK Science page 125
	2	**Human Health**	Communicable intestinal diseases and	Communicable diseases	**The learner;** Defines a parasite Mentions the examples of intestinal worms Describes tape worms, feeding and habitat	**The learner;** Reads, spells, pronounces key words correctly; -host -ecto -endo	**Worms infestation** Why they are parasites Definitions of a parasite Examples of common discussion worms **Tape worms** What they feed on	▪ Guided discussion ▪ Brain storming	▪ Discussing the dangers of tape worms	▪ Effective communicatio	▪ Chalkboard illustration	▪ MK Science page 128

					Draws the structure of a tape worm	-malnutrition	Where they live Structure of a tape worm Signs and symptoms of tape worm infestation Prevention of tape worms **Dangers of tape worms** -They lead to frequent hunger / malnutrition -They lead to wounds in the intestines -They can lead to intestinal obstruction					
	3	**Human health**	Communicable intestinal diseases and worm infestation	Worm infestation	**The learner;** Describes the life cycle of a hook worm Explains how hook worms enter our bodies Mentions the signs and symptoms of hook worm infestation States the dangers of hook worms on human health States the preventive measures for hook worms	**The learner;** Reads and spells words correctly Reads and tells poems about hook worms	**Hook worms** How they look like (structure) How they enter our bodies Signs and symptoms of hook worm infestation Dangers of hook worms to human health Explains the preventive and control measures for hook worms **Prevention and control of hook worms**	▪ Question and answer technique ▪ Brain storming	▪ Discussing the preventive and control measures for hook worms	▪ Problem solving ▪ Effective communication	▪ Illustration of hook worms on the chalk board	▪ Science syllabus page ▪ MK science book 4 page 129
	4	**Human health**	Communicable intestinal diseases and	Worm infestation	**The learner;** Explains how thread worms look like. Mentions the signs and symptoms of thread worms and ascaris States the effects of	**The learner;** Pronounces words correctly Writes sentences correctly -attachment	**Thread worms** Structure How they enter our bodies Signs and symptoms of thread worms infestation Effects of thread worms on human health	▪ Guided discussion	▪ Stating the effects of thread worms	▪ Problem solving	▪ Chalkboard illustration	▪ MK Science book 4 page 131

					thread worms and ascaries Describes the prevention	-hooks -suckers -sucking	Prevention and control of thread worms					
	5	**Human health**	Communicable intestinal diseases and worm infestation	Worm infestation	**The learner;** Mentions where ascaris live Explains how ascaris enter our bodies States the danger of ascaris to man Mentions the general control measures for worms	**The learner;** Spells, reads and writes words like - Ascaris - Bowels - Burrow	**Ascaris** How they enter our bodies Where they live in the human body Danger of ascaris General control measures for worms	▪ Guided discovery ▪ Question and answer technique	▪ Discussing the general control measures for worms	▪ Effective communication ▪ Problem solving	▪ Chalkboard illustration	▪ Compo. Primary Science
3	1	**Human health**	Disease vectors	Common vectors	**The learner;** Defines a vector and a germ Mentions the examples of common vectors Draws common vectors Mentions the habitat	**The learner;** Reads, spells and pronounces key words correctly -cause -transmit	**Vectors** Definition Examples of common vectors **Diagrams of common vectors** **Cockroaches** Habitat	▪ Discussion ▪ Group work discussion	▪ Naming common vectors	▪ Empathy ▪ Problem solving	▪ Drawing of common vectors	▪ Comp. Primary Science book 4 page 117

					for a cockroach. Draws the life cycle of a cockroach and names the stages Names the diseases spread by a cockroach. Explains how cockroaches spread diseases		Why they move at night Lifecycle of a cockroach Diseases spread by cockroaches How cockroaches spread diseases Prevention of diseases spread by cockroaches					
	2	**Human health**	Disease vectors	Common vectors	**The learner;** Mentions the breeding places for houseflies Explains how houseflies spread germs Draws the life cycle of a house fly Mentions the diseases spread by a house fly States the 4Fs disease path Discusses ways of controlling the diseases spread by houseflies	**The learner;** Reads and writes words and sentences correctly -hairy -carry -carrier	**House flies** Breeding places Life cycle of a house fly How houseflies are able to spread germs Diseases spread by houseflies The 4FS disease path Ways of controlling the diseases spread through houseflies	▪ Guided discovery ▪ Question and answer	▪ Drawing the life cycle of a house fly	▪ Effective communication ▪ Problem solving	▪ Life cycle of a house fly on a chart	▪ MK primary science book 4 page 143
	3	**Human health**	Disease vectors	Common vectors	**The learner;** Describes the structure of a mosquito Names the habitat for mosquitoes Draws the life cycle of a mosquito	**The learner;** Reads, spells and pronounces key words correctly -wringler -wringling -Proboscis	**Mosquitoes** Breeding place and habitat Types of mosquitoes Life cycles of mosquitoes Diseases spread by each mosquito	▪ Guided discussion ▪ Question and answer technique	▪ Drawing the mosquito life cycles	▪ Creative thinking ▪ Self awareness	▪ Life cycle of mosquitoes and	▪ Comp. Primary science book 4 page 100

					Names the diseases spread by mosquitoes							
	4	**Human health**	Disease vectors	Common vectors	**The learner;** Explains how malaria spreads Mentions the signs and symptoms of malaria States the control measures for malaria Ways elephantiasis and yellow fever are spread	**The learner;** Reads a poem about mosquitoes	How malaria spreads Signs and symptoms of malaria Ways of controlling malaria, yellow fever and elephantiasis	▪ Discussion ▪ Brain storming	▪ Discussing ways of controlling malaria	▪ Effective communication	▪ Chalkboard illustration	▪ Comp. Primary Science book 4 page 109
	5	**Human health**	Disease vectors	Common vectors	**The learner;** Describes the life cycle of a tsetse fly. Names the diseases spread by a tsetse fly Mentions the signs and symptoms of sleeping sickness. States the control measures for tsetse flies	**The learner;** Reads and writes words and sentences correctly -trap -warmth -trypanosoma	**Tsetse flies** Breeding places Life cycle of a tsetse fly Disease spread by a tsetse fly How such diseases spread Signs and symptoms of sleeping sickness Ways of controlling tsetse flies	▪ Guided discussion ▪ Question and answer technique	▪ Drawing the life cycle of a tsetse flue	▪ Critical thinking ▪ Effective communication	▪ Life cycle of a tsetse fly on a chart	▪ MK Primary Science book 4 page 151
4	1	**Human health**	Disease vectors	Common vectors	**The learner;** Describes the structure of a flea Mentions where fleas live Names the disease spread by fleas	**The learner;** Spells and writes words and sentences correctly -plague -burrow -boils	**Itch mites** Places they live Disease spread How scabies spreads Ways of controlling scabies **Fleas**	▪ Self discovery ▪ Question and answer technique	▪ Discussing the prevention and control measures	▪ Effective communication	▪ Chalkboard illustration	▪ MK Primary Science book 4 page 144

					Mentions the ways of controlling bubonic plague Describes how itch mites work Names places where itch mites live Explain how scabies spreads	-swellings	Places they live Ways fleas spread diseased Ways of controlling bubonic plague					
	2	**Human health**	Disease vectors	Common vectors	**The learner;** Mentions the habitat / breeding place for lice Names the types of lice Explains how lice spread diseases States ways of controlling lice	**The learner;** Spells words like -typhoid -relapsing -lice -bubonic -nits	**Lice** Breeding places Types of lice Disease spread by lice Explains how lice spread Controlling ticks and lice	▪ Question and answer technique	▪ Explaining ways of controlling lice and ticks	▪ Effective communication	▪ Real ticks	▪ MK Primary Science book 4 page 140
	3	**Human health**	Disease vectors	Common vectors	**The learner;** Draws the structure of a fresh waster snail Names the disease spread by a fresh water snail Mentions the ways of controlling bilharzias	**The learner;** Reads words and sentences correctly -schistosoma -flukes -bilharzias	**Water snails** Habitats Diagram of a water snail Diseases spread by a water snail Signs and symptoms of bilharzia	▪ Brain storming ▪ Guided discovery	▪ Discussing ways of controlling bilharzia	▪ Problem solving	▪ Real snails	▪ Comp. Book 3 page
	4	**Human health**	Accident and first aid	Common accidents	**The learner;** Defines an accident Mentions examples of accidents States the effects of accidents on human health	**The learner;** Reads, spells words correctly - bleeding -steam -vapour	**Accidents** Definition of an accident Causes of accidents Examples of common accidents Types of accidents Dangers of accidents to human life	▪ Self discovery ▪ Discussion	▪ Discussing common accidents at home	▪ Problem solving ▪ Effective	▪ Chalkboard illustration	▪ MK. Primary Science book 4 page 154

							Examples of injuries					
	5	**Human health**	Accident and first aid	Common accidents	**The learner;** Mentions the common accidents at home, school and road States the causes of accidents at school, home and road Mentions ways of controlling accidents at home, school and road	**The learner;** Reads, spells and pronounces key words correctly; -mechanical -motorists -pedestrians -cyclists	**Accidents at home / school** Examples Causes Prevention **Road accidents definition** Causes, definition Prevention How to cross the road	▪ Brain storming ▪ Question and answer ▪ Guided discussion	▪ Naming common accidents at home	▪ Effective communication ▪ Problem solving	▪ Audio visual learning	▪ MK Primary science book 4 page 154
5	1	**Human health**	Accidents and first aid	First aid	**The learner;** Defines first aid Defines a casualty Mentions the reasons for giving first aid States the qualities of a first aider Identifies the responsibilities of a first aider	**The learner;** Reads and writes words and sentences about first aid -casualty -bleeding -anaemic	**First aid** Definition Reasons for giving first aid Definition of a first aider Qualities of a first aider Responsibilities of a first aider	▪ Discovery ▪ Question and answer technique	▪ Stating the qualities of a first aider	▪ Care, Empathy, creative thinking	▪ Chalkboard illustration	▪ Comp. Primary Science book 4 page 161

	2	**Human health**	Accidents and first aid	First aid	**The learner;** Defines a first aid kit Mentions the components of a first aid box Defines a first aid box Mentions the importance of a first aid box to a school and home	**The learner;** Reads and writes words and sentences correctly -kit -components -constituents	**First aid kit** Definition Components of a first aid box **First aid box** Definition Diagram Items which can be kept in a first aid box in a school and home. Uses of each element of a first aid box	▪ Discovery ▪ Discussion	▪ Identifying items found in a first aid kit	▪ Effective communication ▪ Creative thinking	▪ Real first aid materials	▪ Comp. Book 4 Science page 161-162
	3	**Human health**	Accidents and first aid	Injuries	**The learner;** Mentions the examples of injuries Defines a fracture Mentions the types of fractures Draws the types of fractures Describes the first aid for fractures	**The learner;** Spells words like -fracture -ligament -dislocation -sprain -strain -tendon -musles	**Types / examples of injuries** Fractures Burns and scales Dislocation Sprains and strains **Fractures** Definition and causes Types of fractures Signs of fractures First aid for fractures	▪ Guided discussion ▪ Questions and answer	▪ Demonstrating the first aid for fractures	▪ Sack , stretches and sticks	▪ Care ▪ Problem solving	▪ MK Primary Science book 4 page 161

	4	**Human health**	Accidents and first aid	Injuries	**The learner;** Defines burns and scalds Mentions the causes of burns and scalds Describes the first aid for burns and scalds Discusses ways of preventing burns and scalds	**The learner;** Reads and write words and sentences like -scald -heat -liquid -acid	**Burns and scalds** **Burns** Definition of a burn Causes of burns **Scalds** Definition of scalds Causes of scalds First aid for burns and scalds Prevention of burns and scalds	▪ Questions and answer ▪ Discovery	▪ Demonstrating the first aid for burns and scalds	▪ Water cloth	▪ Problem solving ▪ Creative thinking	▪ MK primary Science book 4 page
	5	**Human health**	Accidents and first aid	Injuries	**The learner;** Defines a sprain and a strain Mentions the signs of strains and sprains Describes the first aid of sprains and strains	**The learner;** Reads, spells and pronounces words correctly -stretched -torn -pain	**Sprains** Definition Causes of sprains Signs of sprains First aid for sprains **Strains** Definition Causes of strains Signs of strains First aid for strains	▪ Discovery (Guided)	▪ Describing the first aid for sprains and strains	▪ Care, Problem solving and creative thinking	▪ Bandage ▪ Ice cubes	▪ MK primary science book 4 page 159
6	1	**Human health**	Accidents and first aid	Injuries	**The learner;** Defines a dislocation Mentions the cause of a dislocation Describes the first aid for dislocations	**The learner;** Pronounces, spells and writes words like -location -dislocation -tourniquet	**Dislocation** Definition Causes of dislocations First aid for a dislocation **First aid for a snake bit**	▪ Discussion (Guided) ▪ Discovery	▪ Demonstrating the first aid for	▪ Problem solving	▪ Bandage	▪ Compo. Primary Science

					Describes the first aid for snake bites							
	2	**Human health**	Accidents and first aid	Poisoning	**The learner;** Defines poison and poisoning Mentions the causes of poisoning Describes the appropriate first aid for poisoning States the ways of preventing poisoning	**The learner;** Spells, reads and pronounces words -poison -chemical -substance -harm -vomiting -throad	**Poisoning** Definition of poison and poisoning Examples of poisons Causes of poisoning First aid for poisoning Prevention of poisoning at home, school and community	▪ Guided discussion ▪ Question and answer technique	▪ Mentioning the examples of poisons	▪ Problem solving	▪ Chalk board illustration	▪ MK primary science book 4 page 169
	3	**The world of living things**	Rabbit keeping	Rabbits	**The leaner;** Defines the terms used in rabbit keeping Mentions the reasons for rearing rabbits Draws a rabbit and labels the parts (tracing)	**The learner;** Reads, spells and pronounces words and sentences e.g. -burrow -doe -hutch -litter -kitten -fur -kindling -kit	**Rabbit keeping** Definition Terms used in rabbit keeping Reasons for rearing rabbits Parts of a rabbit (ear, head, eye, neck, nose, whiskers, thigh, tail, hind leg) Rabbit products	▪ Question and answer ▪ Self discovery	▪ Drawing a rabbit and naming the parts	▪ Care ▪ Appreciation	▪ Real rabbits	▪ MK primary science book 4 page 176
	4	**The world of living things**	Rabbit keeping	Breeds of rabbits	**The learner;** Mentions the types of rabbit breeds Identifies the characteristics of each types of breeds	**The learners;** Reads and writes words and sentences about types of rabbits -local -exotic	**Breeds of rabbits** Local rabbits Exotic rabbits **Local rabbits** Meaning and habitat	▪ Guided discussion ▪ Excursion	▪ Identifying the rabbit	▪ Care ▪ Creative thinking	▪ Chalkboard	▪ MK Primary Science

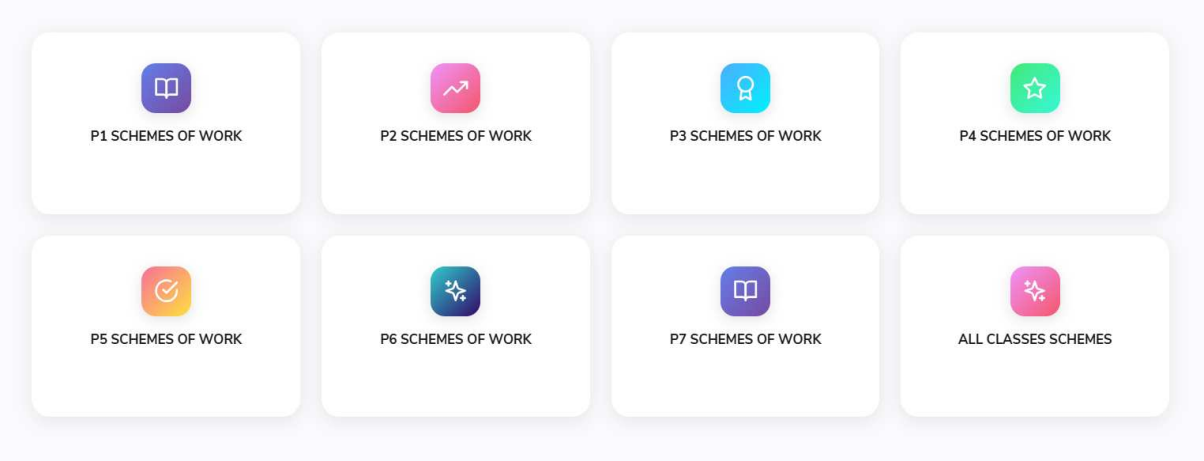
					Writes the differences between exotic and local rabbits	-indigenous -breeds -features	Characteristics **Exotic rabbits** Meaning Characteristics **Differences between exotic and local rabbits**					
	5	**The world of living things**	Rabbit keeping	Breeds of rabbits	**The learner;** Names the exotic breeds of rabbits Describes how each breed looks Draws the house for rabbits	**The learner;** Writes sentences about rabbit breeds	**Examples of Exotic rabbit breeds** Chinchilla rabbits Angora rabbits Newzealand white California rabbits **Appearance of each breed** **Housing for rabbits** Structure of a hutch Qualities of a good hutch How to make a hutch	▪ Excursion ▪ Discovery	▪ Making a hutch for rabbits	▪ Care ▪ Effective communication	▪ Made hutch using boxes	▪ MK Primary science book 4 page 180

7	1	**The world of living things**	Rabbit keeping	Rabbit management practices	**The learner;** Names the food for rabbits Mentions the breeding process for rabbits	**The learner;** Reads and writes words and sentences correctly -pellets -main facture	**Feeding of rabbits** Green vegetables Carrots Sweet potato leaves Banana peelings Pellets (Manufactured foods)	Questions and answer ▪ Discussion	▪ Mentioning the signs of heat in rabbits	▪ Appreciation ▪ Care	▪ Real food stuffs ▪ Chalkboard illustration	▪ MK Primary Science book 4 page 184
							Breeding in rabbits Name given to male and female rabbits. Signs of heat in rabbits Gestation period of rabbits. Act of giving birth by a doe (kindling) Litter of rabbits Care for young rabbits					
	2	**The world of living things**	Rabbit keeping	Rabbit management practices	**The learner;** Explains how to keep the rabbits healthy Names the common disease of rabbits Identifies the signs and symptoms of each disease	**The learner;** Spells and reads words like -coccidiosis -snuffles -canker -colds .... -pneumonia	**Hygiene / ways of keeping rabbits health** Proper feeding Cleaning the hutch regularly Proper ventilation of the hutch **Diseases of rabbits** Signs and symptoms of each disease	▪ Role play ▪ Brain storming	▪ Naming common rabbit diseases	▪ Care ▪ Problem solving	▪ Chalk board	▪ MK book 4 page 185
	3	**The world of living things**	Rabbit keeping	Rabbit management practices	**The learner;** Mentions the ways of controlling rabbit diseases Names the parasites in rabbits States ways of controlling rabbit parasites	**The learner;** Reads, spells and pronounces words -parasite -feed -tick -mite	**Ways of controlling rabbit diseases** Keeping hutches clean Proper feeding.... **Parasites of rabbits** Definition of a parasite Examples of parasites Types of parasites	▪ Discussion ▪ Question and answer	▪ Naming common rabbit parasites	▪ Care ▪ Problem solving	▪ Real parasites	▪ MK science book 4 page 186

							Ways of controlling parasites					
	4	**The world of living things**	Rabbit keeping	Rabbit management practices	**The leaner;** Defines records Mentions the examples of records kept in a farm Mentions the reasons why farmers keep records Names the requirements for starting a rabbit farm	**The learner;** Writes records kept in rabbit keeping	**Record keeping** Records are written statements about all activities carried out in a farm. Examples of rabbit records Record table Reasons why farmers keep records (importance) Requirements for starting a rabbit farm	▪ Discovery ▪ Brain storming	▪ Drawing record tables for rabbit farms	▪ Critical thinking ▪ Problem solving	▪ Sample record on a chart	▪ MK Primary Science book 4 page 187

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