

P.5 SCIENCE SCHEME OF WORK - TERM ONE - THREE

WK	PD	THEME	TOPIC	SUB TOPIC	Subject competence	Language competence	CONTENT	Method	Activity	t/I aids	Life Skills& Values	REF
1		Science in human activities and occupation	Keeping poultry and bees	Poultry keeping	The learner - Describes term poultry keeping - Naming the examples of poultry - Drawing poultry birds - Giving the importance of poultry	The learner; - Constructs sentences correctly about poultry - Reading, writing and pronouncing words correctly	Terminologies used in poultry. Poultry Poultry keeping Hens Cocks Chicks Pullets etc Examples of poultry Importance	 Question and answer Discussion Guided discovery Field trip 	Naming examples of poultry Describing different examples of poultry Answering questions	-hens -Cocks -Eggs	-Effective communication -Critical thinking -Problem solving	Primary five curr. pg 22-24 Baroque integrated science pg 1-2
	2				- The learner; - draws and describes external parts of a domestic fowl	-	External parts of a domestic fowl Functions of each part Physical differences between a cock and hen		- Drawing and naming the external parts of a hen	- A domestic fowl	- Care -Responsibility	- Agriculture for secondary schools
	3				Identifying different types of feathers. Giving the importance of feather	-	Feathers Importance of feathers to people and birds Types of feathers Diagrams of different feathers	-	-	- Feathers	Drawing different types of feathers Stating the importance of feathers	-

	4			 Identifying the 	-	 Types of 	-	-	-	 Naming 	-
				examples of		chicken				different types	
				chicken		Layers				of chicken	
						 Broilers 				- Givina	
						 Dual purpose 				- 3	
										examples of	
						 Examples of 				each type of	
						each type of				chicken	
						chicken					
	5	Keeping	Poultry	The learner:	The learner	 Breeds of 	- Guided	 Answering 	 Poultry birds 	 Decision 	 Beginning
		poultry and	keeping	 Describes the 	- Pronounces,	chicken	discussion	questions		making	agriculture A
		bees		breeds of chicken	,	 Local breeds 					course bk for
				 Writes examples 	and spells the	,	 Filed trip 	 Naming the 		- Problem	pupils pg 65-69
				of exotic breed	words	 Examples of 		exotic breed		solving	
				- Gives the	correctly	exotic	 Question and 			Johnnig	
				characteristics of		 Characteristics 	answer				
				each breed		of local and					
				- Writes the		exotic breed					
				advantages of		 Advantages and 					
				each type of		disadvantages					
				breed		of exotic breed					
	6			- Describes the	- Constructs	- Systems of	- Field trip	- Explaining		Creative thinking	- Baroque
	ľ			systems of	correct	keeping poultry.	- I leid trip	how to		Oreative triiriking	integrated
				keeping poultry	sentences	- Free range		manage		Ammoniation	science pg 4-10
				- Gives	about	system		systems of		Appreciation	colonico pg 1 10
				advantages and	systems of	 Advantages and 		keeping			- Livestock
				disadvantages of	poultry	disadvantages		poultry		Love	technical hand bk
				each system	- Spells the	- Deep litter		- Describing			76-78
				2200,0.0	names of	system		the systems		Care	
					each system	 Advantages and 		of keeping			
					correctly	disadvantages		poultry			
						of deep litter		,,			
						system					
2	1			- Describes the	- Construct	 Battery cage 	- Field	_	 Systems of 	Effective	- Baroque
Z				system and	correct	system	- trip		keeping	communication	integrated
				keeping poultry	sentences	 Advantages and 			poultry		science pg 4-10
					about poultry	disadvantages				Creative thinking	
						 Fold pen 				Croative triiriking	
						system					
						 Advantages and 					
						disadvantages					

2	Science in	Keeping	Poultry	The learner:	_	- management	- Observation	- Mixing poultry	- Poultry	- Problem	- Primary 5 curr.
[human	poultry and	keeping	- Outlines the good		practices in	O DOG! VALIO!!	feeds	feeds	solving	pg 23
		, ,	keeping	feeding practices		poultry	- Discussion	10000	10000	Conving	pg 20
	activities and	bees		in poultry		- Feeding of	Bioodoolon	- Identifying the		- Creative	
	occupation			- Identifies different		chicken	- Question and	sources of		thinking	
				feeds		- Reasons why	answer	each class of		umiking	
				10000		we feed poultry	anower	food		- Responsibility	
						- Types of mash		1000		recoporioionity	
						- Classes of food					
						needed in the					
						bird's diet					
3				- Lists the general	- Draws and	 Good feeding 	- Demonstration	- Drawing and	- The	- Critical thinking	- Baroque
				good feeding	names	practices in		naming of	digestive	Ĭ	integrated
				practices in	different parts	poultry		alimentary	system		science pg 12-13
				poultry	of a fowl in	 The digestive 		canal			. •
					correct English	system of a fowl					- Beginning
				 identifies the 		 Function of 					Agriculture bk 3
				functions of each		each part					pg 70
				part							
4				- The learner:	 Spells and 	- Incubation	- Explanation	- Explaining the	 Poultry birds 	-	- Beginning
				 Describes the term incubation 	pronounces	- What it is	0	conditions			Agriculture bk 3 pg 59
				- States the	words correctly	 Conditions necessary for 	 Question and answer 	necessary for incubation			59
				conditions		eggs to hatch	answei	incubation			
				necessary for		 Incubation period 					
				incubation		of different birds					
				 Names the two 		 Types of 					
				types of incubation		incubation					
						■ Natural &					
						Artificial - Advantages &					
						disadvantages					
5				- Defines artificial	-	- Artificial	- Observation	- Drawing the	- A chart	- Effective	-
	1	1		incubation		incubation		incubator	showing an	communication	
						 Advantages and 			incubator		
	1	-	1	The leaves	The Leave on	disadvantages	Diamorian	Defining the	The stores	- Effective	Deinson for
6				The learner;describes the term	The learner; - Constructs	BroodingWhat it is	DiscussionGroup work	 Defining the term artificial 	The structure of a brooder	- Effective communication	- Primary five curr
				breeding	- Constructs correct	- Types of brooding	- Group work - Question and	brooding	oi a bioodel	Communication	pg 23
				Discounty	sentences about	- Types of brooding	answer	Disouning			
					brooding	Natural		 Naming the 		 Creative thinking 	
				- Identifies the types	- Spells,	brooding		type of		ا	
	1	1		of brooding	writes/reads and	Artificial		brooding			
				- relates brooding in	pronounces	brooding					
				his/her life situation	correct	- Natural it is					
					sentences and words	- Advantages and					
			1		words	disadvantages					

3 1		-		- Artificial brooding	-	-	-	-	_
2 1									
2 1				- What it is					
2 1				- Advantages and					
2 1				disadvantages					
2 1				- Requirements for					
2 1				a brooding					
2 1				- Types of artificial					
2 1				brooding					
2 1				- A diagram of a					
2	1	Defines the term	Daniel and	brooder		Danisia a and	The second street	D ibilit.	A
-7	'	- Defines the term	- Draws and	- Fertilisation in	-	- Drawing and	- The oviduct	 Responsibility 	- Agriculture for
_		fertilization	names the	poultry.		labeling the	of hen	0	secondary
		- Name the parts of				oviduct and	A	- Care	schools pg 104
		the oviduct and	and oviduct	- The oviduct of a		the structure	- An egg		
		their function	corrects	hen		of an egg			
			 Spells words well 	- Internal					
			well	structure of an					
				egg					
				- Function of					
				each part of the					
2	2			egg		Defining the	- The broken		- Livestock
2	۷	-		- Poultry vices	-	- Defining the		-	technical hand
				- What it is		term poultry vice	egg		
				- Causes of poultry		VICE			book pg 91
				- Examples of		lalamtifi iina			Davassus
				poultry vices		 Identifying examples of 			 Baroque integrated
				- Egg eating		poultry vices			science pg 12-13
				 Signs of egg eating 		poultry vices			science pg 12-13
				- How to control					
				egg - Egg eating					
3	3	The learner;	The learner;	- Cannibalism	- Guided	- Identifying	_	- Self awareness	- Intergrated
ľ	1	- defines the term	- constructs	(definition)	discovery	different		- Effective	science pg 13-14
		cannibalism	correct	- Signs and causes	a.500101 j	poultry vices		communication	55.01100 pg 10 14
		- Identifies the	sentences	of cannibalism	- Observation	and their		- Empathy	
		signs, causes	about	- Prevention of		signs			
			cannibalism.		- Field trip	90			
			toe and		- Question and	- Naming			
			feather			causes of			
		- Relates poultry	,						
		vices in his/her	- Spells and			,			
		life situation	writes the	preventing					
		and prevention of feather, skin and toe pecking - Relates poultry	cannibalism, toe and feather pecking	 Prevention of cannibalism Feather, skin and toe pecking Causes signs Ways of 	Field tripQuestion and answer	- Naming			

	1		1 1	words	feather, skin and	ı				
				words						
44		Poultry diseases	- Identifies common conditions that may lead to poultry diseases - Outlines the control of poultry diseases	correctly Pronounces, reads and writes words correctly Constructs correct sentences	toe pecking - Conditions which may lead to poultry diseases Examples of common poultry diseases and their causative agents - Protozoa diseases a) Coccidiosis - Signs and symptoms - Ways of controlling b) Black head signs and symptoms - prevention and	- do -	- Outlining poultry diseases - Identifying poultry diseases	-	- Logical and critical thinking	- Fountain primary science pg 20-21
5			Lists viral poultry diseases Gives signs and symptoms of viral diseases	- Reads, pronounces and writes the words correctly - Constructs correct sentences	control - Viral diseases a) New castle disease b) Gumbro disease c) Fowl fox disease - Signs and symptoms - Prevention and control	- do -	- Identifying examples of poultry diseases and their signs	-	- Empathy - Effective communication	- do -
6			Outlines examples of bacterial diseases Identifies the signs and symptoms of poultry diseases Lists ways of controlling and preventing	- Reads, pronounces and writes the words correctly	- Bacterial diseases a) Pneumonia - Signs and symptioms - Prevention and control b) Fowl typhoid - signs & symptoms - Prevention and control	- Questions and answer - Discussion	- Naming examples of bacterial diseases - Identifying signs of bacterial diseases	-	Effective communication Critical thinking	- Fountain primary science bkspg 20-21

4		Poultry Parasites	bacterial diseases - Defines parasites - Lists examples of internal and external parasites - Gives ways of controlling parasites in poultry	The learner; Reads, pronounces and writes the words correctly	c) Avian leucosis signs & symptoms General control of poultry diseases What are parasites Types of parasites Examples and their effects Control of ecto parasites Examples Examples Control of endo parasites Control of endo parasites Feffects of endo parasites Control of endo parasites Paractices Control of poultry parasites Practices in proper management of poultry	Discussion Question and answer Explanation	- Naming types of poultry parasites - Identifying examples of ectoendo parasites	- Tick mites	Critical thinking Effective communication	- Fountain primary science bkspg22
	2		-		-	-	-	-	-	-
	3		The learner; - describes the term poultry farm records - Outlines the importance of records	farm records Pronounces words correctly.	Farm records - What it is - Examples of farm records (types) - importance of farm records - factors to consider when starting a farm	discovery	- Records - Outlining some examples of farm records	- The farm record	-	- Fountain Integrated primary science bk5 pg 19
	4	Keeping of bees	The learner; - gives different types of bees	- Constructs correct	Bee keeping - Apiculture - Definition	- Question and answer	 Drawing of different types of bees 	- The structure of Queen,	- Effective communication	 Livestock technical hand book pg 110-111

_			1	T .			ı	1	1
		 identifies the 	sentences	 Colonies 	- Discussion	 defining the 	drone and	- Creative	
		function of each	about bees	 Social insects 	- Demonstration	term	worker bee	thinking	
		type of bee in a	 Pronounces 	 Solitary 	Domonouduon	swarming			
		hive	words	insects					
			correctly	 Types of bees 					
			,	(casts)					
				- Queen					
				structure					
				- Importance					
	5			- Drone bee -			- The structure	 Logical thinking 	- Baroque
				structure			of Queen,	_	integrated
				- Importance			drone and	- Care	science pg 17-18
				- Work bee			work bee	- Concern	science pg 17-10
				- Importance of			WOLK DEE	- Concern	
				work bee in the					
				hive					
				- Diagram of					
				honey comb					
				Uses of propolis					
	Ļ			in a hive					
	6	 Describes the 	 Constructs 	SWARMING	=	=	=	-	-
		term swarming	correct	 What it is 					
		 Outlines some 	sentences	 Reasons why 					
		reasons why	about bees	bees swarm					
		bees swarm	swarming	 Methods of 					
			 Spells words 	preventing					
			correctly	swarming					
_	1	- Names parts of a	 Constructs 	LIFE HISTORY	- Discussion	- Drawing and	-	- Effective	- Baroque
5		bee and their	correct	OF A BEE	0 " 1	naming		communication	
		function.	sentences	- Diagram showing	 Question and 	lifecycle of a			science pg 19-20
		- Identifies the	about the life	the lifecycle if a	answer	mosquito		- Critical thinking	
		importance of	cycle of a	bee.					
		bee to people	mosquito	- External parts of	 Demonstration 			- Appreciation	
		and plants	mooquito	a honey bee	_			Approduction	
		and planto		- Functions of each					
				part					
\vdash	2	- Outlines the	- Pronounces.	- Importance of	- Guided	- Answering		- Responsibility	- Primary five
		types of a bee	spells and	bees to people	- Guiueu	questions	_	- Izesponsibility	curriculum pg 23
		hive	writes words	and animals	discovery	correctly			curriculum pg 23
						Correctly		- Care	
		- Draws the	correctly	- Products got from				- Care	
		diagram of a bee		bees					
		hive		- Uses of honey					
				- Products got from					
				bee works					

3	- Outlines the types of bee hives - Draws a traditional bee hive	- Reads words correctly - Spells words correctly	Bee hive Types of bee hives Traditional bee hive Modern bee hive Traditional bee hive Examples of a traditional bee hive Diagram of a traditional bee hive Advantages and disadvantages of a traditional bee hive		- Drawing a traditional bee hive	- The structure of a traditional bee hive		- Livestock technical and handstockpg 110-111
4	- Draws a modern bee hive - Gives the advantages & disadvantages of a modern bee hive	spells and writes words correctly	Modern bee hive Definition The structure of a modern bee hive Advantages and disadvantages of a modern bee hive Examples		- Drawing a modern bee hive	- The structure of a modern bee hive	-	
5	- Identifies differences between traditional and modern bee hives Names material used by a bee keeper when handling bees	- Constructs correct sentences about bees Spells different words	Differences between traditional and modern bee hive.	- Guided discovery - Demonstration - Group work	- Drawing and naming the parts of a person handling bees	- Equipments used in handling bees	- Effective communication - Creative thinking - Critical thinking - Problem solving	- Fountain Integrated primary science pg 23-31

	6				- Outlines the methods of	- Constructs sentences well	Diagram of a person ready to harvest honey Honey extraction Methods of		- Outlines various	-		- Baroque
					extracting honey - Gives the products of bees - Gives the importance of bees	- Reads words properly	extracting honey ✓ pressing method ✓ floating method ✓ centrifigue - Products of bees - Importance of bees - Feeding of bees	discovery	methods of extracting honey - Give two products of bees			science pg 21-25
7	1				Outlines the factors to consider when setting a hive Gives methods of stocking a hive	well	Sitting and stocking a hive - Factors to consider when setting a hive - Stocking a hive - Ways of stockings a hive (methods)	_	- What are the factors to consider when setting a hive	-	_	_
	2				- Gives the ways of preventing enemies from attacking bees - Gives the occasions when a bee keeper handles bees	sentences well Pronounces words correctly	preventing enemies from attacking bees Occasion when a bee keeper handles bees.	-	- Give any three ways of preventing enemies from attacking bees	-	-	-
	1	Matter and Energy	Measurement	Measuring	States the different measurements of objects Explains the need for standard measure of massive weight and volume	- Constructs correct sentences about measurement - Spells, pronounces and writes words like length, mass, etc correctly	Measuring, what it is. Length What it is Units for measuring length Materials used to measure length Area What it is Finding area by counting square units	Observation Discussion Guided discovery Filed trip	- Comparing different objects by mass, volume and weight	- Bricks - Boxes - Books	- Self awareness - Effective communication - Creative thinking	- Long man primary science pg 91-100

						 Finding area using 					
	Ļ					the formular					
	4			-	-	 Mass and weight 	-	- Defining mass	-	- Logical thinking	-
						- What they are:-		& weight			
						 Basic units of each of them 				 Appreciation 	
						- Differences					
						between mass and					
						weight					
	5					- Volume and	_	_	_		_
						capacity					
						- What they are					
						- Finding volume					
						of objects					
						- Types of objects					
						- Finding volume					
						of regular objects					
						- examples of					
						regular objects					
	6					Irregular objects	_	_	_		_
	ľ					- What they are					
						- Finding volume					
						of irregular					
						objects					
						- examples of					
						irregular objects					
						iiroguiai objecto					
0	1		Behaviour of	- describes the	- Constructs	Behaviour of	- Demonstration	- Collecting	- Conc leaves	- Effective	-
8			objects in	behaviour of	different	objects in water	- Observation	leaves in	water	communication	
			water	objects in water	sentences	floating and		water			
			Water	- Identifies floating	correctly	sinking objects		wator		 Creative thinking 	
					correctly						
				and sinking		Examples of				- Critical thinking	
				objects	 Spells words 	objects (sinking					
				 Relates floating 	correctly	and floating					
				and sinking		objects)					
				objects in his or		Buoyancy force					
				her life situation		Reasons why					
				nor mo onuacion							
						some objects sink					
						and float					
	2			-	_	Density	-	-	- Instruments	F	-
						- What it is			for	1	
						 Its standard unite 			measuring		
									density		
	•	•	-						•		

						- Instrument for					
						measuring density					
						- Finding density of					
						objects					
						- Finding density,					
						mass and volume					
						in relation					
3		Immunity and		- Describes the	- Constructs	Immunity	-	- defining the	-	- Effective	- Primary five
		Immunisation		meaning of	correct	- What it is		terms		communication	currpg 38-39
				immunity	sentences	- Types of immunity		immunity and		0.00 100 10	
				- Identifies the	about	- Natural immunity		immunisation		- Critical thinking	
				types of immunity		- Artificial immunity		 Identifying different types 		-	
				 Explains the importance of 	 Spells, writes and reads 	- How to acquire natural and		of immunity			
				immunity	words used	artificial immunity		Of illilliarity			
				iiiiiiuiiity	words used	- Importance of					
						immunity					
						- Immunisation					
						Childhood					
						immunisable					
						diseases					
4			Immunisation	- Identifies the	- Constructs	Tuberculosis	- Discussion	- Outlining the	-	- Self awareness	_
				causes of	correct	 causes, signs 	- Guided	causes of		- Effective	
				tuberculosis and	sentences	and symptoms	- Guidea	signs of		communication	
				its signs	about	 prevention and 	discovery	immunisable		- Self esteem	
				 Outlines different 	immunisable	control polio	- Question and	diseases		- care	
				ways of	diseases	(poliomyelitis)	- Question and			- empathy	
				preventing	 Spells, writes 	 causes, signs 	answer			- responsibility	
				tuberculosis	and reads	and symptoms					
					common	- prevention and					
					words	control					
					correctly						
١				-			-	-	-		-
					•						
	1				control						
					- Signs &						
5				-	Diphtheria - cause, spread		-		-		-

_			1	1							ı	,
						 prevention 						
						and control						
						<u>Hepatis</u>						
						 Signs, cause, 						
						prevention						
						 Effects of 						
						immunisable						
						diseases to						
						children						
	6				 Names other 		Other immunisable	-	-	-	-	-
					immunisable		diseases.					
					diseases		- Immunisation sites					
							and schedules					
							- Importance of					
L							immunisation					
9	1				- Describes the term		Vaccines	-	-	-	}	-
J	'				vaccines		-What it is					
					 Outlines the types of vaccines 		-Types of vaccines -Examples of					
					or vaccines		vaccines					
							-antibodies					
F	2				_	Roles of		- Guided	- singing songs	_	- Critical thinking	_
						individuals,		p .	about			
						families and		discussion	immunisation			
						communities						
						 How to identify an immunize child 						
						- Child health card						
						- Importance of a						
						child health card						
						to parents and						
						health workers						
	3	Human Body		Digestive	 explains what 		Digestive system	- Demonstration	- Drawing and	-	}	-
			system	system	digestive system is;		- What it is	- Discussion	labeling the			
					- What is digestion	sentences about digestion	DigestionTypes of digestion	- Observation	different parts of the digestive			
					 Name the types of digestion 	- Spells words	 Types of digestion Process involved in 	- Observation	system			
					ulgestion	correctly	the use of food in		System			
						33110001	animals					
							- Parts of the					
							digestive system					
							 Functions of each 					
							part					
							- Digestion in the					
							mouth - Function of the					
							qullet					
L		I	l	l			guillet				l	L

						- Digestion of food in					
	4					the gullet					
	4			=		Digestion in the duodenum			-	-	-
						- Digestion in the					
						ileum					
						 End products of digestion 					
						- Adaptation of the					
						ileum to its function					
	5		The digestive	-	-	Enzymes	 Question and 	- Defining	-	- Care	- Integrated
			juice			 What it is Characteristics of 	answer	different types		- Effective	science bk5 pg
						enzymes		of enzymes - Outlining		communication	65
						- Diseases and		diseases and		Communication	
						disorders of the		disorders			
						digestive system					
						 causes of constipation 					
						- ways of keeping					
						the digestive					
						system in good					
						health					
		Components	SOIL	- defines terms	- States the	- Definition	- Question and	- Drawing	- Different	- care	- Integrated
		of the		related to soil - Mention types of	given terms	- Characteristics of	answer	 Describing 	types of soil	- Effective communication	primary 5 sci
		environment		soil	- Describes the	soil types	- Explanation			Communication	
				- States the	characteristics	- Diagram showing arrangement of					
				characteristics of	of different	soil particles					
				different soil	types of soil	- Uses of each type					
				types	- Makes	of soil					
				 Identifies the use of each type of 	sentences	0.00					
				soil	using the						
					given terms						
10	1		Components	- defines terms	- Explains the	- Components of soil	- Explanation	- Performing		- Problem solving	 Agric for secondary
'`			of soil	relates to soil	experiment in correct English	- Importance of each	- Guided	experiments	- soil		
				 mentions types of soil 	CONTROL LINGUISH	soil competence - Experiment to show	discovery				
				soil - states the		the presence of	- Discussion				
1				characteristic of		each component	21000001011			- Responsibility	
				different soil types		•					
				- identifies the use of							
				each type of soil							

2	<u> </u>	Soil formation,	- States ways	- Defines terms e.g	- Soil formation		_		1	- Baroque integrated
		drainage and	through which soil	weathering,	✓ Weathering					scie
		capillarity	is formed	decomposition,	✓ decomposition					
		Саріпатіту	- performs an	soil capillarity	- Soil drainage					
			experiment to show		 Soil capillarity 					
			soil drainage and							
			soil capillarity							
			- defines soil			_	_	_	_	_
		Soil erosion	erosion	-Gives definition	- definition of soil					
3			- states the causes	in good	erosion					
			of soil erosion	sentences	- Agents of soil					
			- Explains the	-Writes the given	erosion					
			effects of soil	sentences	- Effects of soil					
			erosion	correctly	erosion					
			- Identifies		- Methods of					
			methods of		controlling soil					
			controlling soil		erosion					
			erosion							
4		Soil fertility	 Defines soil 	-gives	 Soil fertility 	 Question and 	 Describing 	- soil	- Critical thinking	-
			fertility	explanation in	- ways of improving	answer				
			 Points out ways 	correct	soil fertility				- Problem solving	
			of improving soil	sentences	- examples of	 Explanation 			2, 22	
			fertility	-writes	natural fertilizers				- responsibility	
			- mentions the	sentences	- Advantages of					
			types of fertlizers	correctly	natural fertilisers					
			- gives examples	correctly	Tiatarai Tortinooro					
			of fertilisers							
			(natural)							
			` ,							
			- explains the							
			advantages and							
			disadvantages of							
$\bigsqcup_{=}$		1.49.11	natural fertilisers	5: "		0.11.1	****			
5		Artificial	- Points out the	- Discusses the	- Examples of artificial	- Guided	- Writing	 Artificial fertiliserse.q 		-
		fertility	examples of	advantages and disadvantages of	fertilisers	discovery		CAN, DAP		
			artificial fertilisers	artificial fertilisers	- Advantages and			J/ (14, D/ (1		
			- Lists the		disadvantages of					
			advantages and		artificial fertilisers					
			disadvantages of artificial fertilisers		- Soil pollutants					
			arunciar rerunsers		- Examples of soil					
	1				pollutants					

				 Defines soil 		 Effects of soil 					
				pollutants		pollutants					
				 Explains the effects 							
				of soil pollutants							
	Ш		Soil pollutants								
	6		Soil	 Defines soil 	-Gives definition	 Soil exhaustion 	- Discussion	-	-	-	-
			exhaustion	exhaustion	in correct	- Causes of soil					
				 States the 	sentences	exhaustion					
				causes of soil		- Methods of					
				exhaustion		preventing soil					
				- identifies the		exhaustion					
				methods of							
				preventing soil							
				exhaustion							
4.4	1	Crop growing	Types of crops	- Outlines the types	- constructs	- Types of crops	- Drawing	- Tuber crops	- Guided	- Effective	_
11	ľ	Orop growing	Types of Grope	of crops.	sentences	- Tuber crops	diagrams of	(real objects)	discussion	communication	
				- describes the tuber		- Types of tuber crops	·	(
				crops	correctly	- Examples of tuber	tuber crops		 Observation 	- Critical thinking	
				- Outlines the types	- Spells words	crops			- Group work		
				of tuber crops	- Pronounces	- Growing and caring			- Gloup work	- Concern	
					words	for tuber crops			- Brain storming		
					words	 Propagation of tuber 					
						crops				- problem solving	
	2			- Gives the common	- constructs	- Common pests and	 Outlines any 	-			-
				pests and diseases	sentences	diseases of tuber	three				
				of tuber crops	correctly	crops	characteristics				
				- Outlines the		- Characteristics of					
				characteristic of	- Spells words	common tuber crops	of common				
				common tuber crop	- Pronounces	- Effects of pests and	tuber crop pests				
				pests - mentions the	words	diseases to tuber					
				effects of pests and		crops - Methods of					
				diseases to tuber		controlling pests and					
				crops		diseases					
	3			- Gives examples	-Pronounces	- Leguminous crops	- drawing	- Real objects	_	- sharing	
	ľ			of legume crops		- Examples of	•	of legume		Silding	
				- Gives the	words	legume crops	legume crops	•			
					-constructs	• .		crops			
				characteristics of	contonoco	- Characteristics of					
				legume crops	sentences	legume crops					
					correctly	- Cereal crops					
ш	ш					l .			l	l	l

			 mentions the 	-Spells words	 examples of 					
			examples of fruit	correctly	cereals					
			crops	correctly	- fruit crops					
			- Gives the		- vegetable crops					
					- vegetable crops					
			examples of							
			vegetable crops							
4		Nursery bed	 defines a nursery 	-Pronounces	Nursery bed	 setting up a 	- Real	 Group work 	- Co-operation	-
			bed	words	 Advantages of a 	nursery bed	examples of		- sharing	
			 Gives the 		nursery bed	nursery bed	crops grown	- Guided	· ·	
			advantages of a	-constructs	- crops grown in a		in a nursery	discovery	- critical thinking	
			nursery bed	sentences	nursery bed		bed		- Responsibility	
			 describes what 		,		bed		reoponoibility	
			transplanting is	correctly	- How to care for					
		ĺ	 Gives different 	-Spells words	crops in a					
		ĺ	crop growing	'	nursery bed					
			practices	correctly	 Transplanting 					
					 crop growing 					
					practices					
5			- Gives the examples	-	- Garden tools	- Drawing	- Real garden	- Brain storming	- Problem solving	
ľ			of common garden		- Examples of	different garden	tools	- Guided	- i Tobietti solvilig	_
			tools		common garden	tools	100.0	discovery		
			- mentions the uses		tools	10010		- Group work		
			of different garden		- Uses of different			- Gloup Work		
			tools		garden tools					
			- Gives ways of		- Caring for the					
			caring for the		garden tools					
			garden tools		garden tools					
	Matter and	Matter and its	- Definition of matter	Describe metter	Definition of matter	Defining metter	water			MIC Into avoto d
			- Properties of matter	 Describe matter and its 	Properties of matter	Defining matter	water	-	-	MK Integrated Science bk5
	energy	states	- Identifies what	characteristics		Naming different	ash			
		ĺ	causes changes in		States of matter					pg103
		ĺ	matter state.	(solids, liquids	Examples of matter in	States Of HighEl	sand			Comprehensive
		ĺ	- Mention changes in	and gases)	each state	Experimenting,				primary Science
		ĺ	matter states	 Stating examples 	States that make up	mixing and	tins			bk5 pg49
		ĺ	- The examples of	of matter	matter	separating	hattlaa			nvo hã4a
		ĺ	matter	- Drawing	Arrangement of	mixtures	bottles			
		ĺ	- States of matter	arrangements in each state of	molecules in each	IIIIALUI 63				
		ĺ	 Examples of matter in each state 	matter	state					
		ĺ	- Molecuels in each	- List	Changes of states of					
		ĺ	state of matter	characteristics of	matter					
		ĺ	- Properties of each	each state of	Causes of changes of					
		ĺ	state of matter	matter	states of matter					

T T		1			Definition of each	ı	I	1	I	
					change					
					Illustration showing					
					the changes of states					
					matter					
					- Defn: Solute ,					
					solvent					
Definition of		 Definitin 	o of	 Describing 	Definition of energy		Naming types	The pendulum		Mk integrated
energy		energy		energy	Types of energy			cob		science bk5 pg
		 Types o 		 Writing 	(kinetic and		Explaining the	Strings		106-109
		energy		short notes	potential)		forms of matter	Stones		Comprehensive
		- Forms o		on forms	Forms of energy		Defining the	Burning candle		prim scie bk5
		energy		and types of	(sound, electric,		term heat			pg 50 – 59
		 Charact 	eristics	energy	magnetic, light)					
		of forms	of		Definition of heat					
		energy			energy					
		- Defines	neat		Sources of heat					
		energy			Uses of heat					
		 Identifie 	;		energy					
		sources	of							
		heat								
	Effects of	 Identifyi 	g the	Illustrating	Listing down the		Stating effects	Butter	-do-	
	heat on	effects of	f heat	expansion and	effects of heat on		of heat on	Ice		
	matter	on matte	r	contraction	matter		matter	Match box		
		- Drawing			Expansion and		Describing the	Nails		
		experim	ents		contraction		experiment on	Burning		
		showing			Experiments of		effects of heat	candles		
		explosio	n and		illustrations on		on matter			
		contract	on		expansion and					
					contraction					
					Preventing					
					expansion and					
					contraction effects					
	Heat transfer	- Describi	ng	- Drawing	Describing the	_	Discussing the	-do-	-do-	
	in matter	how hea	t	different	transmission in		ways in which			
		travels		diagrams	states of matter i.e.		heat travels			
		- Drawing		showing	solids, liquids, and					
		diagram	3	heat	gases					

 							,	
		showing how	transfer in	Explaining				
		heat travels in	matter	conduction,				
		different		convection and				
		materials		radiation				
energy c	Application of conduction, convection and radiation in our daily life	improtance of conduction, convection	Observes parts of a vaccuum flask	Importance of conduction, convection and radiation in everyday life. Operation of a vacuum flask Dangers of conduction Differences between insulators and conductors. Giving examples of insulators and conductors Application of insulators and conductors in our daily life Differences between heat absorbers and reflectors	ii c r C iii c	mportant of	Nails Cotton wool Wires Cork	Comprehensive Primary Science bk5 MK primary Science bk5 pg 105 - 109
	Forms of energy (temperature)	Defines temperature Relates temperature to heat States difference between heat and temperature Explains the tyeps and	- Spells words correctly - Reads stories about heat and temperature - Write short stories on temperature	Definition of temperature Difference between heat and temperature Temperature scales Types of thermometer Identifying functions of parts of a clinical thermometer	c b a t t t t t t	difference between heat and		Comprehensiving primary Scie bk5 pg77 – 80 Mk primary Scie bk 5 pg124-126

uses of thermometers Converts degrees to different scales Matter and energy Matter and energy Matter and energy Defining what disadvantages of rusting are. Explaining the disadvantages of putting out fire putting out fire putting out fire putting out fire putting and burning. Watter and energy Matter and vice preferable to biscussing and burning is candle primary Scie bk Matter and energy Matter and energy Matter and energy Matter and energy Matter and vice preferable
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degrees to different scales Advantages and disadvantages of each. Conversion of temperature from one scale to another i.e. Centigrade to Fahrenheit and vice versa In the momentary and burning ombustion and are. Explaining the disadvantages of rusting Describing ways of putting out fire experiment showing rusting and burning. Advantages and disadvantages of each. Conversion of temperature from one scale to another i.e. Centigrade to Fahrenheit and vice versa Definition of Discussing A burning candle primary Scie bk Comprehensive versa (combustion) Spell the words disadvantages of rusting Describing ways of potserving and burning and burning putting out fire experiment showing rusting and burning. Experiments on burning. Ways of putting out fire. Definition of rusting.
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rusting and burning are. Explaining the disadvantages of rusting Describing ways of putting out fire Penergy rusting and burning combustion and are. Explaining the disadvantages of rusting Describing ways of putting out fire Respondent of the primary Scie bk (combustion) Discussing the conditions for burning to take primary Scie bk (Glass) Water Tines Tines Drawing and labeling the showing rusting and burning. Experiments on burning. Ways of putting out fire. Definition of rusting.
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Experiments on burning. Ways of putting out fire. Definition of rusting.
burning. Ways of putting out fire. Definition of rusting.
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Definition of rusting.
rusting.
Experiments on
rusting.
By-products given
out.
Disadvantages of
rusting.

					Ways of preventing			
					rusting of metallic			
					objects.			
					Comparing rusting			
			T	N 1 11	and burning.		0	0 1 :
	nce in	Growing	,	Name the	Definition of;	, 0	Cassava	Comprehensive pr
huma	-	crops		common tuber	Root tubers	•	Sweet potatoes	sci bk5
1 1	ities and			crops.	Stem tubers		Irish potatoes	
occu	pation			,	Examples of each		Yams	
			'		type of tuber crop.	•	Turnips	
			Discusses ways of	crops.	Growing and caring	ways of planting		
			growing and caring		for tuber crops.	and caring for		
			for tuber crops.	sentences about	Planting materials	tuber crops.		
			Identifies pests and	growing and	for tuber crops and	Listing the		
			dieases of tuber	caring for tuber	their qualities.	characteristics		
			crops.	crops.	Common pests and	of common		
			Describes the	Writes words,	diseases of tuber	tuber crop		
			characteristics of	sentences and	crops.	pests.		
			common tuber crop	stories about	Characteristics of	Explaining		
			'	growing tuber	common tuber crop	controlling		
				crops.	pests.	pests and		
			Discusses methods	· .	Effects of pests and	diseases of		
			of controlling pests		diseases to tuber	tuber crops.		
			and diseases of		crops.	Suggesting		
			tuber crops.		Rotting of tubers.	methods of		
			tabol diops.		Holes in tubers and	harvesting/		
					in leaves.	processing and		
					Leaf yellowing and	storing tuber		
					curling.	crops.		
					Methods of	Identifying		
					controlling pests	advantages of		
					and diseases of	young farmers'		
					tuber crops.	clubs.		
					' '	CIUDS.		
					Harvesting,			
					processing and			
					storage of tuber			
					crops.			
					Young farmers club			
$\perp \perp \perp$					Leguminous crops			

						Examples of			
						leguminous crops			
						Characteristics of			
						leguminous crops			
						Cereal crops			
						Examples			
						Characteristics			
						fruit crops			
						Vegetable crops			
						A nursery bed			
						Garden tools			
	The world of	Bacteria and		Describes bacteria,	Describes	Definition of	Defining the	Microscopes	Comp pri sci pg 187
	living things	fungi	v	where they are	bacteria/ fungi	bacteria.	term bacterial,	· ·	11 10
				ound and where		Habitat for bacteria	fungi.	Testing	
			ti			Feeding	· ·	specimens	
			ŀ			Breeding	Identifying	L	
				characteristics of		(movement) Types of bacteria	different modes	Books for	
			-			Harmful bacteria	of bacteria.	reference	
					sentences and	Diseases they		Environment	
				Discusses the ways	stories about	cause	lucitarying are	Environment	
				٥,		Prevention of such	types of		
				controllign and reating bacterial		diseases	bacteria		
				diseases.		Useful bacteria Definition of fungi	Chating the		
			Ĭ			Examples of fungi	Stating the prevention and		
				Describes fungi as		Harmful and useful	control of		
				varmless and		fungi	diseases		
			ľ	narmful organisms.		Importance of fungi	caused by		
			l _i	dentifies dangers		Diseases caused	,		
				of fungi.		by fungi	either fungi or bacteria		
				ŭ		Prevention and control of fungal	Dacteria		
				Discuss ways of		diseases			
				preventing and		Comparison			
				controlling bacteria and fungal		between bacteria			
				diseases.		and fungi			
			١	alocuses.		Pioneers of			
						Science; Edward			
						Jenner, Louis			
						Pasteur, Sir Ronal Ross, Robert Koch,			
						INUSS, KUDEIT NOCH,			

				Sir William Harvey, Joseph Listeretetc			
Managing changes in the environment	Types of changes	of changes in the environment	Reads the words and sentences about the types	a) Biological changes: what they	Explaining the different changes in the environment. Identifying changes unde biological, physical and chemical changes. Experimenting on physical changes or states of water	Butter Candle wax Match box Kettle Water Stove Papers	Comp pri sci bk5
Keeping goats, sheep and pigs	Goats	Identifying the names of external parts of a goat. Describing different breeds of goats.	parts of a goat.	Drawing and naming external parts of a goat. Reasons why farmers rear goats. Terms used in goat rearing.	Listing the external parts a goat. Discussing the ways of feeding oats and housing them.	external parts of a goat.	Comp scie bkk MK integrated pr Sci bkk pg 69-78

					Identifying the breeds of goats. Stating the gestation period of a goat. Feeding goats and housing them. Types of goats. Methods of grazing goats under each system.			
			sheep	Naming external parts of a sheep	Drawing and naming the external parts of a sheep Reasons for keeping sheep Terms used in rearing sheep Identifying the breeds of sheep Giving examples of local and exotic breeds of sheep Gestation period of sheep	labeling external parts of a sheep. Listing the exotic breeds of a sheep	of a sheep	Mk pri sch bk5 pg78-83 Comp pri sci bk5 pg36-45
	m of	goats and	qualities of a good house for a goat and a sheep	Mentioning the importance of proper housing of goats and sheep.	Stating how a house for a goat and a sheep should be made.	A chart showing a house of a sheep and that of a goat		-do-

		1		T	L			ı	
					Mentining the				
					improtance of				
					proper housing.				
					Late and the state of the second				
					Identifying the				
					practices doen in				
					management of				
					goats and sheep.				
-		Castration	Naming the	Writing	Definition of	Stating what	A chart		Mk pri sci bk 5
		Oustration	methods of	sentences about			showing		pg83 – 84
			castration	methods of	Identifying the		burdizzo		pg03 – 04
			Castration		methods of	Discussing the	Duruizzo		
				castration	castration	methods of			
						castration.			
					Reasons for	oddi diloff.			
					castrating male	Explaining the			
					animals.	advantages and			
					Advantages and	disadvantages			
					disadvantages of	of castration.			
					castration.	oi castiation.			
		Diseases and	Discussing causes,	Naming diseases	Listing the diseases	Listing diseases	-do-		-do-
		parasites of	signs and	and parasites of	for goats and	of goats and			
		goats	symptoms	sheep and goats.	sheep.	sheep.			
			Prevention and		Stating signs and	Discussing the			
			control of diseases		symptoms of goats	signs and			
			in sheep and goats.		and sheep	symptoms of			
					diseases.	goat diseases.			
					Stating the causes	Listing			
					of the mentioned	examples of			
					diseases.	parasites			
					D-finition of				
					Definition of				
					parasites.				
1 1					Types of parasites				
	1								
					that attack goats				
					and sheep.				

				Examples of			
				parasites.			
				parasites.			
				Prevention and			
				control of goats,			
				sheep diseases			
				and parasites.			
				Products from			
				sheep and goats.			
	Piggery	Describing terms	Writing reasons	Definition of	Discussing	A chart	Mk pri scie bk 5
	"		for keeping pigs.	piggery.		showing exotic	pg91-94
		1 33 7	3 7 3 7 3	1 33 7		breeds of pigs.	1.0
				Reasons for	Recoping pigs	brocas or pigs.	
				keeping pigs.	Explaining		
				Recepting pigs.	terms used in		
				Terms used in			
					piggery.		
				piggery.			
				Breeds of pigs and			
				examples			
	Proper pig			Mentioning systems	Classifying		Mk pri sci bk 5
	housing and	of a good pigsty	of rearing pigs.	of keeping pigs.	breeds of pigs.		pg96
	management						
				Advantages and	Naming		
				disadvantages of	different		
				each system.	systems of		
					rearing pigs.		
				Qualities of a good	rearing pigs.		
				pig house/ sty.			
				pig flouder sty.			
				Advantages of			
				proper housing of			
				pigs.			
$\vdash \downarrow$		11 07 1 11		h	11.0	144	
	Feeding pigs,	Identifying the		Naming the feeds	Listing feeds for		-do-
	weaning and	feeds for pigs	of deworming	for pigs.	pigs.	feed pigs.	
	deworming		piglets				
						A bottle	

			Stating the advantages of proper feeding of pigs. State the period of proper weaning of pigs. Identifying the methods of days might be advantaged to the proper weaning piglets.	methods of	A chart showing one deworming		
Heat period	signs of heat period	Writing sentences about gestation period and steaming up.	deworming piglets. Definition of heat period. Mentioning signs of heat in a sow. Definition of gestation period, steaming up. Identifying the gestation period of a sow and advantages of steaming up.	Discussing signs of heat in a sow.	-do-	Comp pri sci bk pg45 - 49	g
Diseases and parasites	, 5	Writing signs and symptoms of pig diseases on a farm	Naming the		Pupils text books	Comp pri sci bk5 pg 47-49 MK int pri sci bk pg98 -100	5

	Starting a piggery project	to consider when	Naming examples of farm records.	piggery project. Factors to consider when selecting a good piglet to rear. Factors affecting piggery industry. Farm records (definition) Examples and importance of keeping farm	controlling diseases and parasites.	-do-	Comp pri sci bk 5 pg42 – 43 MK Int pri sci bk5 pg96 – 98
The Human	Food and	The learner;	The learner	records. 1. Breastfeeding	Writing	Chalk board	
health	nutrition	breastfeeding is, its advantages and disadvantages Explains what bottlefeeding is, its advantages and disadvantages	communities Recites poems and sings songs	What it is Advantages and disadvantages to; The mother, the baby, the family 2. Bottle feeding	advantages and disadvantages of breastfeeding to the mother, baby and family. Explaining instances when bottle feeding is necessary.	illustration	

		1	1	1	1		
			Explains some	Advantages and		g different	
		vulnerable groups	dishes for the	disadvantages to;	vulner		
		of people	vulnerable		group		
		L		The mother, the	people	e.	
		Explains traditional		baby, the family			
		customs and their		2) (- -			
		advantages and		3. Vulnerable			
		disadvatnages to		groups of people			
		the community		M/ho thou are			
				Who they are			
				Weaning babies,			
				the sick, elderly,			
				convalescents,			
				breastfeeding			
				mothers and their			
				breastfed babies,			
				pregnant mothers			
				and their unborn			
				babies			
				4. Food for the			
				vulnerable			
				vuirierable			
				Soft drinks, soft			
				foods, balanced			
				diet			
				5. Traditional			
				customs and food			
				taboos in communities			
				communities			
				What taboos are			
				Examples			
				Effects of food			
				taboos on nutrition			
				1. Food			
				consumption			
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			patterns in the community Staple foods of different communities Other foods of different communities				
Primary Health Care (PHC)	Describes what PHC is, its elements and principles. Demonstrates activities of PHC in promotion of community hygiene Explains the responsibilities of individuals, families and communities in	activities in the community. Writes words, sentences and stories about	1. Primary Health Care What it is Elements and principles of PHC 2. PHC activities in promotion of community hygiene e.g. rubbish disposal Protecting water sources 3. Responsibility of individuals, families and the community in health promotion. 4. Suitable lifestyles and good health practices 5. People with special needs in community e.g. the sick, the elderly, the	PHI eler print Pra acti PHI con Der the responsion of information with need con Disto con pecific peci	AC, its ements and nciples. acticing tivities of AC in the emmunity	Chalkboard illustration Reference books The local environment	

disabled, the		
young.		
6. Care for people with special needs e.g. protection, medication		