SCIENCE SCHEMEE OF WORK STANDARD 7, 2020

SCIENCE SCHEMES OF WORK STANDARD 7, 2020 TERM 1

WEEK	LESSO	TOPIC/SUB	OBJECTIVES	T/L ACTIVITIES	T/L	T/L AIDS	REMARK		
	N	TOPIC			RESOURCES				
1	1 - 5		(Opening and Revisions					
2	1 - 5	HUMAN	The pupils should be able	Draw and discuss	Primary	Charts			
		BODY	to:	parts of the	Science pupils	Text book			
		Circulatory	Identify parts of the	circulatory system.	book pg 1.	Diagrams			
		system.	circulatory systems.	Discuss	Understandin				
			Identify components of	components of	g science				
			the blood and their	blood and their	pupils book				
			functions.	functions.	pg 1				
			Identify types of blood	Discuss types of					
			vessels and their	blood vessels and					
			functions.	their functions.					
			Describe the structure and	Explain the					
			function of the heart.	structure and					
				function of the					
				heart					
3	1 - 5	HEALTH	The learner should be able	Explain what drug	Primary	Local			
		EDUCATIO	to:	is.	science pupils	environment			
		N	Explain what a drug is.	Explain drug	book pg 13	chart			
		Drug abuse.	Explain drug abuse and	misuse and abuse.	Understandin				
		Myths and	misuse.	Discuss health and	g science				
		misconceptio	Describe health and social	social effects of	pupils book				
		ns on	effects of drug abuse.	drug abuse.	pg 11				
		HIV/AIDS							

		T	<u></u>	<u> </u>	T	T
			Dispel myths and	Discuss myths and		
			misconceptions on	misconceptions on		
			HIV/AIDS	HIV/AIDS		
4	1 - 5	ENVIRONM	The learner should be able	Explain the	Primary	Local
		ENT	to:	meaning of the	science pupils	environment.
			State the meaning of the	environment.	book pg 33	
			environment.	Discuss major	Understandin	
			Name the major	components of the	g science	
			components of the	environment.	pupils book	
			environment.		pg 22	
5			Revisions ar	d End of January exa	ms	
6	1 - 5	PLANTS	The learner should be able	Explain	Primary	Local
		Interdepende	to:	interdependence	science pupils	environment.
		nce between	Explain interdependence	between plants.	book pg 42	
		plants and	between plants	Discuss	Understandin	
		animals.	Explain interdependence	interdependence	g pupils book	
		Crop pests.	between plants and	between plants and	pg 25	
			animals.	animals.		
			Explain what food chain	Explain food chain.		
			is.	Explain crop pests.		
			Explain crop pests.	Discuss crop pests		
			State crop pests, their	their effects and		
			effects and control	control measures.		
			measures			
7			M	id term exams		
8	1 - 5	ANIMALS	The pupils should be able	Discuss some	Primary	Animal
		Livestock	to:	internal and	science pg 67	Charts
		parasites.	Name some external and	external parasites.	Understandin	Local
			internal parasites.		g science pg 38	environment

		Human intestinal worms.	State the effects of parasites on livestock. Control some livestock parasites. Control some human intestinal worms.	Explain effects of parasites on livestock. Discuss ways of controlling some livestock parasites and some human intestinal worms.			
9	1 - 5	- 5 WATER. By the end of the lesson the learner should be able pollution. Effects of State how water gets water pollution. Describe effects of water pollution. Water pollution.		Discuss how water gets polluted. Explain effects of water pollution. Explain ways of controlling water pollution. Discuss ways of conserving water.	Primary science. Understandin g science.	Water Local environment.	
10	1-5	SOIL Soil fertility.	By the end of the topic, the learner should be able to: Explain the meaning of fertilizers.	Explain the meaning of the fertilizers. Explain and classify fertilizers into straight & compound.	Primary science Understandin g science.	Soil fertilizers.	

			Classify fertilizers into	Explain and classify			
			straight and compound.	fertilizers into			
			Identify different types of	straight &			
			manure.	compound			
			State the advantages and	Discuss different			
			disadvantages of manures	types of manure.			
			and fertilizers.	Discuss advantages			
				and disadvantages			
				of manures and			
				fertilizers.			
11	1 - 5	ENERGY	By the end of the lesson	Discuss sources of	Primary	Bulbs	
		Electricity.	the learner should be able:	electricity.	science	Wires	
			Name sources of	Make a simple	Understandin	Dry cells	
			electricity.	circuit.	g science.		
			Make a simple circuit.	Investigate good			
			Investigate good and poor	and poor			
			conductors of electricity.	conductors of			
			Identify electrical	electricity.			
			appliances in homes and	Discuss electrical			
			their uses.	appliances in			
			Describe safety measures	homes and their			
			when dealing with	uses.			
			electricity.	Discuss safety			
			Demonstrate safety	measures when			
			measures when there is	dealing with			
			lightning.	electricity.			
				Discuss safety			
				measures when			
				there is lightning.			

12 &	Revisions and Preparations for End Term Exams
13	
14	End Term 1 Exams and Closing

TERM 2

WEEK	LESSO	TOPIC/SU	OBJECTIVES	T/L ACTIVITIES	T/L	REFERENCE	REMAR
	N	B TOPIC			RESOURCE		K
1				Opening and Revisions			
2	1-5	ANIMALS Livestock parasite. Human intestinal worms. By the end o the lesson the learner should be able to: Name some internal and external parasites. State the effects of parasites on livestock. Control some		Stating and naming some internal and external worms. Naming the effects of parasites on livestock. Stating the methods of controlling some livestock parasites	A chart Pictures on internal and external parasites Some internal and external parasites Pictures on g science pupils book 7 pg 38 - 44 Quick reading science book 7 pg 38 - 44 parasites		
			livestock parasites. Control some human intestinal worms	Stating some ways to control some human intestinal worms	1		
3	1 - 5	WATER Water pollution Effects of water pollution	State how water gets polluted. Describe effects of water pollution. Identify ways of controlling water pollution.	State the meaning of water pollution and ways in which water is polluted. Stating effects of water pollution. Discuss ways controlling water pollution.	Water Soil A chart	Understandin g science pupils book 7 pg 46 - 51 Quick reading science book 7 pg 46 - 51	

		Water	Describe ways of	Stating ways of			
		conservatio	conserving water	conserving water and			
		n	Appreciate the	discuss them			
			importance of				
			conserving water.				
4	1-5	SOIL	Explain the meaning	Defining meaning of	A chart	Understandin	
		Soil fertility.	of fertilizer	fertilizer. stating types of	Manure	g science	
			Classify fertilizers into	fertilizers	Artificial	pupils book 7	
			straight and	Identifying the different	fertilizers	pg 53 - 57	
			compound	types of fertilizers.	Green	Quick reading	
			Identify different type	Identifying the different	farmyard	science book 7	
			of manure.	types of manure.	manure.	pg 54 - 57	
			State the advantages	Discussing the different			
			and disadvantages of	advantages and			
			using fertilizers and	disadvantages of			
			manure	manures and fertilizers.			
				Preparing a compound			
				manure.			

5 and	1 - 5	ENERGY	Name sources of	Naming sources of	A chart	Understandin
6	1 - 5	Electricity	electricity	electricity.	Wires	g science
			Make a simple circuit	Making a simple.	Batteries	pupils book 7
			Investigate good and	Investigating good and	Wood	pg 58 - 67
			poor conductors of	poor conductors of	Plastic	Quick reading
			electricity	electricity.	Metal	science book 7
			Identify electrical	Identifying electrical	Paper	pg 59 - 68
			appliances at home	appliances in homes and	Bulbs	P8 37 - 00
			and their uses.	their uses.		
			Describe safety	Describing safety		
			measures when	measures when dealing		
			dealing with	with electricity and when		
			electricity.	there		
			Demonstrate safety	is lightning		
			measures when there			
7	1 - 5		is lightning.	Revision and mid term ex	vame.	
8	1 - 5	PROPERTIE	By the end of the		A chart	Understanding
0	1-3	SOF	lesson the learner	Dissolving solids in		<u> </u>
				water.	Salt	science pupils
		MATTER.	should be able to:	Mixing liquids	Sugar	book 7 pg 69 -
		Dissolving	Identify solids that	Identifying magnetic and	Water	75
		solids in	dissolve and those	non magnetic materials.	Soil	Quick reading
		water	that do not dissolve in	Separating mixtures.	Paraffin	science book 7
		Mixing	water.		Spirit	pg 71 - 77
		liquids.	Identify liquids which		Oil	
		Magnet and	mix and those that do		Iron fillings	
		non	not mix.		Metals	
		magnetic			Magnets	
		materials.			Wood	

		Separating mixtures	Identify magnetic and non magnetic materials. Separate mixtures		plastic paper		
9 and 10	1 - 5 1 - 5	MAKING WORK EASIER. Friction Parts of a lever.	Investigate friction. State advantages and disadvantages of friction. Demonstrate ways of reducing and increasing friction. Identify positions of fulcrum, load and effort in different levers.	Defining friction. Investigating and listing advantages and disadvantages of friction. Demonstrating ways of reducing and increasing friction. Identify positions of fulcrum, load and effort in different levers.	Chart. Claw hammer. Crow bar Wheelbarrow Spade Oil grease. Rollers	Understanding science pupils book 7 pg 76 - 85 Quick reading science book 7 pg 79 - 86	
11 & 12	1 - 5 1 - 5	REVISION PLANTS. Interdepend ence between plants and animals. Crop pests.	Explain interdependence between plants. Explain interdependence between plants and animals. Explain what a food chain is. Explain meaning of crop pests. Identify some crop pests, their effects and control measures.	Defining interdependence between plants. Defining interdependence between plants and animals. Defining a food chain and giving examples. Discussing crop pests, their effects and control measures.	Food (different types.) Animal waste Branches. Various crop pests. Plants invaded by pests. A chart.	Understanding science pupils book 7 pg 25 - 36 Quick reading science bk 7 pg 29 - 36	

13	1 - 5	REVISION	State the meaning of	Defining environment	Water	Understanding	
		ENVIRON	the environment.	Stating and discussing	Soil	science pupils	
		MENT	Name major	the major components of	Plants	book 7 pg 22 -	
		Meaning of	components of the	the environment and	Pictures of	24	
		the	environment.	their uses.	animals	Quick reading	
		environmen				science bk 7 pg	
		t				24 - 27	
		Component					
		s of the					
		environmen					
		t					
14	1 - 5			Revision and end term 11	exams		

TERM 3

WEE	LESSON	TOPIC	SUB TOPIC	OBJECTIVES	T/L ACTIVITIES	T/L AIDS	REFFEENCES	REMAR	
K								K	
1	1 - 5		REVISION						
2	1 - 2	ELECTRICIT	Sources of	The learner to	Observation.	A plastic	Primary		
		Y	electricity.	state any two	Sampling	ruler	science pupils		
			(static)	sources of static	Experimentation	Small	book 7 page		
				electricity.	answers	pieces of	106 - 107		
				Define static		paper.	Science in		
				electricity			Africa pupils		
							book 7		

	3 - 4	Electricity	Current electricity	The learner should be able to: State any two sources of current electricity. Define the term current electricity.	Experimentation. Answer Observation	Car battery Torch battery Generators	Primary science pupils book 7 page 110 - 112 Science in action pupils book 7
	5	Electricity	Sources of current electricity. (torch, battery)	The learner should be able to: Name sources of current electricity. Define the term current electricity.	Discussion Observation. Question and answer Explanation	Torch battery A bulb	Primary science pupils book 7 pg 112 Science in action pupils book 7
3	1	Electricity.	Car battery	State the type of energy found in a car battery. State uses of a car battery	Discussion Answers Explanation Questions	Car battery	Primary science pupils book 7 pg 112 Science in action pupils book 7
	2	Electricity	Generators	State the type of energy found in generators.	Discussion. Explanation Q/Answer	A generator	Primary science pupils book 7 pg 113

	3	Electricity	Bicycle dynamo	Give any uses of generators. State the types of energy in a dynamo. State the uses of a generator	Discussion Explanation. Q/Answer	A bicycle dynamo	Science in action pupils book 7 Primary science pupils book 7 pg 113 Science in action pupils book 7	
	4	Electricity	Hydroelectri c petrol and diesel generators.	The learner to state how petrol and diesel generators operate	Explanation Demonstration Observation	Pictures of generators.	Primary science pupils book 7 pg 113 - 114 Science in action pupils book 7	
	5	Electricity	Window driven solar energy geothermal	The learner to state how solar geothermal and wind driven generators operate.	Q/Answer Observation Explanation	A solar panel Pictures of a geothermal generator	Primary science pupils book 7 pg 114 - 115 Science in action pupils book 7	
4	1	Electricity	Simple electric circuit.	The learner to construct a simple electric circuit.	Discussion Q/Answers Explanation	A bulb, dry cells, wires	Primary science pupils book 115 - 117 Understandin g science book 7	

	2	Electricity.	Good and poor	The learner	Discussion	Rubbers			
		_	conductors of	should be able	Q/Answer	Wires			
			electricity.	to distinguish	Explanation.	Plastics			
			-	good	_	Dry cells			
				conductors from		Bulbs etc			
				poor					
				conductors.					
5-7	Revision	Revisions	Revisions and	The learner	Revisions and		Primary		
	s and	and Class	Class work: In	should be able	Class work: In		science pupils		
	Class	work: In	door and Out	to Revise and	door and Out		book		
	work: In	door and Out	door	do Class work:	door		Understandin		
	door and	door		In door and Out			g science book		
	Out door			door					
8	Preparations for End Term Exams								
9	End Term Exams and Closing								