

RATIONALISED SCHEMES OF WORK

INTEGRATED SCIENCE

GRADE 7

TERM 3

TEACHER'S NAME.....

TSC NUMBER.....

SCHOOL.....

W K	LS N	STRAND	SUBSTRAN D	SPECIFIC LEARNING OUTCOME	KEY INQUIRY QUESTION	LEARNING EXPERIENCES	LEARNING RESOURCES	ASSESSMENT METHOD	REFLECTION
1	1	LIVING THINGS AND THEIR ENVIRONME NT	Human excretory system	By the end of the lesson the learner should be able to: -outline activities that promote skin and kidney healthy -use digital devices to search for information on healthy lifestyle that promote kidney and skin healthy -appreciate the need for healthy lifestyle	Which activities promote skin and kidney healthy?	The learner is guided to: -develop a daily log on activities that promote skin and kidney healthy -use digital devices to search for information on healthy lifestyles that promote kidney and skin	Active Integrated Science Grade 7 page 117-118	-oral questions -observation -written questions	
	2	LIVING THINGS AND THEIR ENVIRONME NT	Human excretory system	-outline activities that promote skin and kidney healthy -use digital devices to search for information on healthy lifestyle that promote kidney and skin healthy -appreciate the need for healthy lifestyle	Which activities promote skin and kidney healthy?	-develop a daily log on activities that promote skin and kidney healthy -use digital devices to search for information on healthy lifestyles that promote kidney and skin	Active Integrated Science Grade 7 page 117-118	-oral questions -observation -written questions	

3	LIVING THINGS AND THEIR ENVIRONMENT	Human excretory system	-outline activities that promote skin and kidney healthy -use digital devices to search for information on healthy lifestyle that promote kidney and skin healthy -appreciate the need for healthy lifestyle	What is the importance of a healthy excretory system?	-develop a daily log on activities that promote skin and kidney healthy -use digital devices to search for information on healthy lifestyles that promote kidney and skin	Active Integrated Science Grade 7 page 117-118	-oral questions -observation -written questions	
4	LIVING THINGS AND THEIR ENVIRONMENT	Human excretory system	-outline activities that promote skin and kidney healthy -use digital devices to search for information on healthy lifestyle that promote kidney and skin healthy -appreciate the need for healthy lifestyle	What is the importance of a healthy excretory system?	-develop a daily log on activities that promote skin and kidney healthy -use digital devices to search for information on healthy lifestyles that promote kidney and skin	Active Integrated Science Grade 7 page 117-118	-oral questions -observation -written questions	
5	LIVING THINGS AND THEIR ENVIRONMENT	Human excretory system	-outline activities that promote skin and kidney healthy -use digital devices to search for	What is the importance of a healthy excretory system?	-develop a daily log on activities that promote skin and kidney healthy	Active Integrated Science Grade 7 page 117-118	-oral questions -observation -written questions	

				information on healthy lifestyle that promote kidney and skin healthy -appreciate the need for healthy lifestyle		-use digital devices to search for information on healthy lifestyles that promote kidney and skin			
2	1	FORCE AND ENERGY	Electrical energy	-identify sources of electricity in the environment -use digital devices to search for sources of electricity -draw the sources of electricity -appreciate use of electricity in day to day life	Name the sources of electricity in the environment?	-in groups discuss sources of electricity in the environment -use digital devices to search for sources of electricity in nature (hydro-electric power, geothermal, solar, wind power, electrical cells) -draw the sources of electricity power, geothermal, solar, wind power, electrical cells)	Active Integrated Science Grade 7 page 136-137	-oral questions -observation -written questions	

	2	FORCE AND ENERGY	Electrical energy	-identify sources of electricity in the environment -use digital devices to search for sources of electricity -draw the sources of electricity -appreciate use of electricity in day to day life	Name the sources of electricity in the environment?	-in groups discuss sources of electricity in the environment -use digital devices to search for sources of electricity in nature (hydro-electric power, geothermal, solar, wind power, electrical cells) -draw the sources of electricity	Active Integrated Science Grade 7 page 136-137	-oral questions -observation -written questions	
	3	FORCE AND ENERGY	Electrical energy	-identify sources of electricity in the environment -use digital devices to search for sources of electricity -draw the sources of electricity -appreciate use of electricity	Which the sources of electricity in the environment?	-in groups discuss sources of electricity in the environment -use digital devices to search for sources of electricity in nature (hydro-electric power, geothermal, solar, wind power, electrical cells)	Active Integrated Science Grade 7 page 136-137	-oral questions -observation -written questions	

						-draw the sources of electricity			
	4	FORCE AND ENERGY	Electrical energy	-identify sources of electricity in the environment -use digital devices to search for sources of electricity -draw the sources of electricity -appreciate use of electricity	Which the sources of electricity in the environment?	-in groups discuss sources of electricity in the environment -use digital devices to search for sources of electricity in nature (hydro-electric power, geothermal, solar, wind power, electrical cells) -draw the sources of electricity	Active Integrated Science Grade 7 page 136-137	-oral questions -observation -written questions	
	5	FORCE AND ENERGY	Electrical energy	-connect simple electrical circuits to demonstrate the flow of electric current -demonstrate a simple electrical circuit in which dry cells are in series and in parallel	How is electricity used in day to day life?	-In groups connect simple electrical circuits to demonstrate the flow of electric current -set up a simple electrical circuit in which dry cells are in series and in parallel	Active Integrated Science Grade 7 page 138-140	-oral questions -written questions	

				-appreciate the use of electricity in day to day life					
3	1	FORCE AND ENERGY	Electrical energy	-connect simple electrical circuits to demonstrate the flow of electric current -demonstrate a simple electrical circuit in which dry cells are in series and in parallel -appreciate the use of electricity in day to day life	How is electricity used in day to day life?	-In groups connect simple electrical circuits to demonstrate the flow of electric current -set up a simple electrical circuit in which dry cells are in series and in parallel (using electrical cells, connecting wires, switch, bulb and bulb holder) to demonstrate flow of electric current	Active Integrated Science Grade 7 page 138-140	-oral questions -written questions	
	2	FORCE AND ENERGY	Electrical energy	-connect simple electrical circuits to demonstrate the flow of electric current -demonstrate a simple electrical circuit in which bulbs are arranged	What is the difference between the arrangement of bulbs in Activities 3A and 3 B?	-In groups connect simple electrical circuits to demonstrate the flow of electric current -set up a simple electrical circuit in which dry cells are in series	Active Integrated Science Grade 7 page 140	-oral questions -written questions	

				in series and parallel -appreciate the use of electricity in day to day life		and in parallel (using electrical cells, connecting wires, switch, bulb and bulb holder) to demonstrate flow of electric current			
	3	FORCE AND ENERGY	Electrical energy	-connect simple electrical circuits to demonstrate the flow of electric current -demonstrate a simple electrical circuit in which bulbs are arranged in series and parallel -appreciate the use of electricity in day to day life	What is the difference between the arrangement of bulbs in Activities 3A and 3 B?	-In groups connect simple electrical circuits to demonstrate the flow of electric current -set up a simple electrical circuit in which dry cells are in series and in parallel (using electrical cells, connecting wires, switch, bulb and bulb holder)to demonstrate flow of electric current	Active Integrated Science Grade 7 page 140	-oral questions -written questions	
	4	FORCE AND ENERGY	Electrical energy	-connect simple electrical circuits to demonstrate the	What is the difference between the arrangement of	-In groups connect simple electrical circuits	Active Integrated	-oral questions	

				flow of electric current -demonstrate a simple electrical circuit in which bulbs are arranged in series and parallel -appreciate the use of electricity in day to day life	bulbs in Activities 3A and 3 B?	to demonstrate the flow of electric current -set up a simple electrical circuit in which dry cells are in series and in parallel (using electrical cells, connecting wires, switch, bulb and bulb holder)to demonstrate flow of electric current	Science Grade 7 page 140	-written questions	
	5	FORCE AND ENERGY	Electrical energy	-identify common electrical appliances used in day to day life -draw electrical appliances used in day to day life -appreciate the use of electricity in day to day life	What are electrical appliances?	-discuss and identify common electrical appliances used in day to day life -draw and name electrical appliances -discuss uses of electrical appliances	Active Integrated Science Grade 7 page 142-143	-oral questions -written questions	
4	1	FORCE AND ENERGY	Electrical energy	-identify common electrical appliances used in day to day life	What are electrical appliances?	-discuss and identify common electrical appliances used in day to day life	Active Integrated Science Grade 7 page 142-143	-oral questions -written questions	

				-draw electrical appliances used in day to day life -appreciate the use of electricity in day to day life		-draw and name electrical appliances -discuss uses of electrical appliances			
	2	FORCE AND ENERGY	Electrical energy	-identify common electrical appliances used in day to day life -draw electrical appliances used in day to day life -appreciate the use of electricity in day to day life	Name electrical appliances used at home?	-discuss and identify common electrical appliances used in day to day life -draw and name electrical appliances -discuss uses of electrical appliances	Active Integrated Science Grade 7 page 142-143	-oral questions -written questions	
	3	FORCE AND ENERGY	Electrical energy	-identify common electrical appliances used in day to day life -draw electrical appliances used in day to day life -appreciate the use of electricity in day to day life	Name electrical appliances used at home?	-discuss and identify common electrical appliances used in day to day life -draw and name electrical appliances -discuss uses of electrical appliances	Active Integrated Science Grade 7 page 142-143	-oral questions -written questions	

	4	FORCE AND ENERGY	Electrical energy	-identify common electrical appliances used in day to day life -draw electrical appliances used in day to day life -appreciate the use of electricity in day to day life	Name electrical appliances used at home?	-discuss and identify common electrical appliances used in day to day life -draw and name electrical appliances -discuss uses of electrical appliances	Active Integrated Science Grade 7 page 142-143	-oral questions -written questions	
	5	FORCE AND ENERGY	Electrical energy	-outline safety measures observed while handling electrical appliances -discuss uses of electricity in daily life -appreciate the use of electricity in day to day life	How is electricity used in day to day life?	-identify and discuss safety measures observed when using electrical appliances -discuss uses of electricity in day to day life -use digital devices to search for more information on electrical appliances and safety measures observed when using them	Active Integrated Science Grade 7 page 144-146	-oral questions -written questions	
5	1	FORCE AND ENERGY	Electrical energy	-outline safety measures observed while	Name safety measures observed while handling	-identify and discuss safety measures	Active Integrated	-oral questions	

				handling electrical appliances -discuss uses of electricity in daily life -appreciate the use of electricity in day to day life	electrical appliances?	observed when using electrical appliances -discuss uses of electricity in day to day life -use digital devices to search for more information on electrical appliances and safety measurers observed when using them	Science Grade 7 page 144-146	-written questions	
	2	FORCE AND ENERGY	Electrical energy	-outline safety measurers observed while handling electrical appliances -discuss uses of electricity in daily life -appreciate the use of electricity in day to day life	How is electricity used in day to day life?	-identify and discuss safety measurers observed when using electrical appliances -discuss uses of electricity in day to day life -use digital devices to search for more information on electrical appliances and safety measurers observed when using them	Active Integrated Science Grade 7 page 144-146	-oral questions -written questions	

	3	FORCE AND ENERGY	Electrical energy	-outline safety measures observed while handling electrical appliances -discuss uses of electricity in daily life -appreciate the use of electricity in day to day life	How is electricity used in day to day life?	-identify and discuss safety measures observed when using electrical appliances -discuss uses of electricity in day to day life -use digital devices to search for more information on electrical appliances and safety measures observed when using them	Active Integrated Science Grade 7 page 144-146	-oral questions -written questions	
	4	FORCE AND ENERGY	Magnetism	-define what is a magnet -classify materials as either magnetic or non-magnetic -appreciate applications of magnets in day to day life	What is the difference between magnetic and non - magnetic materials?	-discuss what is a magnet -use a permanent magnet to test different materials, sort and classify them into either magnetic or non-magnetic materials	-Active Integrated Science Grade 7 page 148 -magnetic materials -non magnetic materials	-oral questions -written questions	
	5	FORCE AND ENERGY	Magnetism	-define what is a magnet	What is the difference between	-discuss what is a magnet	-Active Integrated	-oral questions	

				-classify materials as either magnetic or non-magnetic -appreciate applications of magnets in day to day life	magnetic and non - magnetic materials?	-use a permanent magnet to test different materials,sort and classify them into either magnetic or non-magnetic materials	Science Grade 7 page 148 -magnetic materials -non magnetic materials	-written questions	
6	1	FORCE AND ENERGY	Magnetism	-define what is a magnet -classify materials as either magnetic or non-magnetic -appreciate applications of magnets in day to day life	What is the difference between magnetic and non - magnetic materials?	-discuss what is a magnet -use a permanent magnet to test different materials, sort and classify them into either magnetic or non-magnetic materials	-Active Integrated Science Grade 7 page 148 -magnetic materials -non magnetic materials	-oral questions -written questions	
	2	FORCE AND ENERGY	Magnetism	-define what is a magnet -classify materials as either magnetic or non-magnetic -appreciate applications of magnets in day to day life	What is the difference between magnetic and non - magnetic materials?	-discuss what is a magnet -use a permanent magnet to test different materials,sort and classify them into either magnetic or non-magnetic materials	-Active Integrated Science Grade 7 page 148 -magnetic materials -non magnetic materials	-oral questions -written questions	

	3	FORCE AND ENERGY	Magnetism	-identify the poles of a magnet -investigate the force between like and unlike poles -appreciate applications of magnets in day to day life	What happens when like poles of a magnet come close to one another?	-identify the poles of a magnet -investigate the force between like and unlike poles	-Active Integrated Science Grade 7 page 149-150	-oral questions -written questions	
	4	FORCE AND ENERGY	Magnetism	-identify the poles of a magnet -investigate the force between like and unlike poles -appreciate applications of magnets in day to day life	What happens when unlike poles of a magnet come close to one another?	-identify the poles of a magnet -investigate the force between like and unlike poles	-Active Integrated Science Grade 7 page 149-150	-oral questions -written questions	
	5	FORCE AND ENERGY	Magnetism	-identify the poles of a magnet -investigate the force between like and unlike poles -appreciate applications of magnets in day to day life	What happens when unlike poles of a magnet come close to one another?	-identify the poles of a magnet -investigate the force between like and unlike poles	-Active Integrated Science Grade 7 page 149-150	-oral questions -written questions	
7	1	FORCE AND ENERGY	Magnetism	-identify the poles of a magnet -investigate the force between like and unlike poles	What happens when unlike poles of a magnet come close to one another?	-identify the poles of a magnet -investigate the force between	-Active Integrated Science Grade 7 page 149-150	-oral questions -written questions	

				-appreciate applications of magnets in day to day life		like and unlike poles			
	2	FORCE AND ENERGY	Magnetism	-identify uses of a magnet -use digital devices to search for information on applications of magnets -appreciate applications of magnets in day to day life	How are magnets used in day to day life?	-discuss the applications of magnets in day to day life (separation of mixtures,in radios,speakers,r efrigerator door,magnetic compass and magnets used in toys to give magic effect) -use digital devices to search for information on applications of magnets	-Active Integrated Science Grade 7 page 151-156	-oral questions -written questions	
	3	FORCE AND ENERGY	Magnetism	-identify uses of a magnet -use digital devices to search for information on applications of magnets -appreciate applications of magnets in day to day life	How are magnets used in day to day life?	-discuss the applications of magnets in day to day life (separation of mixtures,in radios,speakers,r efrigerator door,magnetic compass and magnets used in	-Active Integrated Science Grade 7 page 151-156	-oral questions -written questions	

						toys to give magic effect) -use digital devices to search for information on applications of magnets			
	4	FORCE AND ENERGY	Magnetism	-identify uses of a magnet -use digital devices to search for information on applications of magnets -appreciate applications of magnets in day to day life	How are magnets used in day to day life?	-discuss the applications of magnets in day to day life (separation of mixtures,in radios,speakers,r efrigerator door,magnetic compass and magnets used in toys to give magic effect) -use digital devices to search for information on applications of magnets	-Active Integrated Science Grade 7 page 151-156	-oral questions -written questions	
	5	FORCE AND ENERGY	Magnetism	-identify uses of a magnet -use digital devices to search for information on applications of magnets	How are magnets used in day to day life?	-discuss the applications of magnets in day to day life (separation of mixtures,in radios,speakers,r efrigerator	-Active Integrated Science Grade 7 page 151-156	-oral questions -written questions	

				-appreciate applications of magnets in day to day life		door,magnetic compass and magnets used in toys to give magic effect) -use digital devices to search for information on applications of magnets			
8-9	REVISION/END OF TERM 3 ASSESSMENTS & CLOSING								