Week Ending: 13-01-20	23	DAY:		Subject: Science		
Duration: 100mins				Strand: Diversity Of		er
Class: B8		Class Size:		Sub Strand: Mixtu	res	
Content Standard: B8.1.1.1. Demonstrate known understanding of the processeparating the component	esses of scientifi		Indicator: B8.1.1.1.1 Identify types of mixtures by name and characteristics			Lesson:
Performance Indicator Learners can identify ty	r:	s by name and cha	aracteristics	Core Competen DL 5.3: CI 6.8: DL		5.6:
References: Science Cu	ırriculum Pg.					
Phase/Duration	Learners Act	ivities			Resou	rcas
PHASE I: STARTER		earners on the pro	evious lesson.		resour	
	Share learnin	g indicators and ir	ntroduce the lessor	1.		
PHASE 2: NEW LEARNING	Identify classe liquid; liquid; liquid defined from parer sand, gari, gras solids and liquid. Put any two defended from the compare and characteristic sand and grave. Compare and characteristic lidentify and second from the compare and sale solution, fruit properties. Identify a susgroundnut parer sand sale solution, fruit properties.	es of mixtures and liquid; solid – ga vials such as powd avel, oil, water and uids of the materials (incre of the product able conclusions of the mixtures of the mixture and solute in the mixture and water in the mixture and w	on homogeneous are of two or more master; oil and water and solvents based such as sand and such as sach as salt such of mixture e.g. mix	lid – solid; Solid – - gas. tops, salt, sugar, nain categories: lescribe the Ind heterogeneous terials such as I on their physical ugar mixture, olution, sugar ir physical ture of	bottle sugar,	er, pebbles, tops, salt, sand, gari, oil, water

	State the types of mixtures and give an example in each case.	
PHASE 3:	Use peer discussion and effective questioning to find out from	
REFLECTION	learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	

Week Ending: 13-0	11-2023	DAY: Subject: Science				
Duration: 100mins	3			Strand: Diversity Of Matter		
Class: B8		Class Size:		Sub Strand: Mixtures		
Content Standard: B8.1.1.1. Demonstrate knowledge of types of mixtures, and understanding of the processes of scientific ways of separating the components of mixtures Indicator: B8.1.1.1.1 Identify types of mixtures by name and characteristics					Lesson: 2 of 2	
Performance Indic Learners can identi		es by name and cha	aracteristics	Core Competencie DL 5.3: Cl 6.8: DL 5.1		
References: Science	e Curriculum Pg.					
Phase/Duration	Learners Activit	ties			Resources	
PHASE I:	Revise with lear	rners on the previo	ous lesson.			
STARTER	Share learning in	ndicators and intro	oduce the lesson.			
PHASE 2: NEW LEARNING	solution. List some solve some common Compare and contaracteristics. Guide learners Example: Weigh 5g of contains for the salt Discuss their of the salt Discuss the sal	nts in the home ar solutes and name ontrast solutes and to prepare of mixing mmon salt and add to dissolve. Esservation.	d it to 250ml of wa	ss their uses. List olvents. In their physical ter.	powder, pebbles, bottle tops, salt, sugar, sand, gari, gravel, oil, water	
Add some palm oil to water in a container. Shake vigorously and allow it to stand. Discuss their observation. Assessment I. Define the following terms i. Solute ii. Solvent and iii. Solution 2. In groups, learners prepare named mixtures. PHASE 3: REFLECTION Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.						

Week Ending: 20-01-20	DAY:		Subject: Science			
Duration: 100mins				Strand: Diversity (Of Matte	er
Class: B8		Class Size:		Sub Strand: Separa	ation Of	Mixtures
Content Standard: B8.1.1.1. Demonstrate knowledge of types of mixtures, and understanding of the processes of scientific ways of separating the components of mixtures Indicator: B8.1.1.1.2 Design and perform process for separating kinds of mixtures.						Lesson:
Performance Indicator Learners can identify ty		s by name and sh	aractoristics	Core Competer DL 5.3: CI 6.8: DL		. 4.
References: Science Cu	•	s by harne and ch	ai accei iscics	DE 3.3. CI 6.6. DE	. J.1. CI C	5.0.
Tierer errees, serence ea						
Phase/Duration	Learners Act	ivities			Resou	rces
PHASE I: STARTER		earners on the progression of th	evious lesson. ntroduce the lessor	n.		
PHASE 2: NEW LEARNING	Guide learner Filtration, Sie separating fur Filtration The process in vare removed by through but reto In groups, engusing the filtra Evaporation The process by soluble solid or soluble s	rs to discuss some ving, Evaporation, nel, Sublimation, which solid particles (if the use of a filter mains the solid particles gage learners to sation method. The value of a filter mains the solid particles gage learners to sation method. The value of a filter mains the solid particles gage learners to sation method. The value of a filter mains the solid particles gage learners to sation method. The value of a filter mains the solid particles gage learners to solid particles gage learners to separation method.	magnetization, Discreption, Discreption, Discreption, Discreption, Winsoluble solid) in a liquid edium that permits the st. eparate the mixture residue beaker to gas. This process is t. E.g. salt and water. eparate the mixture	arating mixtures. Stillation, Use of innowing, etc. aid or gaseous fluid to pass re, sand and water as used to separate a re, salt and water of mixtures and and written work. strial use of the	bottle sugar,	er, pebbles, tops, salt, sand, gari, oil, water

	Assessment Name the method which could be used to separate each of the following mixtures into their components i. Alcohol and water ii. Salt and water iii. Powered charcoal and iron filings iv. Powered chalk and water	
PHASE 3: REFLECTION	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson. Take feedback from learners and summarize the lesson.	

Week Ending: 20-01-20	DAY: Su		Subject: Science				
Duration: 100mins			9	Strand: Diversity Of Matter			
Class: B8		Class Size:	9	Sub Strand: Separa	ation Of	Mixtures	
Content Standard: B8.1.1.1. Demonstrate knowledge of types of mixtures, and understanding of the processes of scientific ways of separating the components of mixtures Indicator: B8.1.1.1.2 Design and perform processes are already for separating kinds of mixtures.					Lesson:		
Performance Indicator Learners can identify ty		s by name and cha	aracteristics	Core Competen DL 5.3: Cl 6.8: DL		5.6:	
References: Science Cu		,					
Phase/Duration	Learners Act				Resour	rces	
PHASE I: STARTER	Revise with le	earners on the pro	evious lesson.				
	Share learning	g indicators and ir	ntroduce the lesson.				
PHASE 2: NEW LEARNING	Revise with leading for separating fur Distillation It is process of mixture by using apparatus known In groups, enough the simple distillation Sale Sublimation This is used to substance that is the gaseous states.	earners on some inving, Evaporation, nel, Sublimation, nel, Sublimation, selective boiling own as still. It water the water substances to separate substances to sublime is the one that the especially when here	methods for separate Magnetization, Dist Crystallization, Win Imponents or substance and condensation, use eparate the mixture Cooling vater out Cooling water out Cooling water in Cooling water	that do not. A the solid sate to rough the liquid	bottle sugar,	r, pebbles, tops, salt, sand, gari, oil, water	

In groups, engage learners to separate the mixture, iodine crystals and sand using the sublimation method. Inverted funnel Sublimate Perforated asbestos sheet Mixture Perform experiments to separate different kinds of mixtures and present a report on your findings using drawing and written work. Guide learners to identify the application or industrial use of the filtration, evaporation, etc. methods of separation. <u>Assessment</u> State one solvent for each of the following substances i. Common salt ii. Oil paint iii. Coal tar iv. Sucrose v. chlorophyll PHASE 3: Use peer discussion and effective questioning to find out from **REFLECTION** learners what they have learnt during the lesson. Take feedback from learners and summarize the lesson.

Week Ending: 27-01-20	23	DAY:		Subject: Science				
Duration: 100mins			Strand: Cycles					
Class: B8		Class Size:		Sub Strand: The Carbo			rbon Cycle	
Content Standard: B8.2.1.1 Demonstrate understanding of the process of Carbon cycle as an example of repeated pattern of change in nature and how it relates to the environment Indicator: B8.2.1.1.1 Explain the process of the carbon cycle.					the Lesson:			
Performance Indicator Learners can describe t		the carbon cycle.	l		Core Competer DL 5.3: Cl 6.8: DL		5.6:	
References: Science Cu	•	•			22 3.3. 0. 0.0. 22	3 3. 3		
Phase/Duration	Learners Act					Resour	rces	
PHASE I: STARTER	Revise with le	earners on the pro	evious lesson.					
	Share learnin	g indicators and ir	ntroduce the lesso	n.				
PHASE 2: NEW LEARNING	Revise with leand respiration Have learners atmosphere. Guide learner the carbon of exchanged an atmosphere of the carbon of the	earners to define on. Is discuss the role of the second of the biological of earth. Identify the carbon otes on what hap on enters the atmosis absorbed by autoals consume plants als and Plants die, and the atmosphere of the at	cal cycle by which re, pedosphere, geon cycle from charts pens at each stage, sphere as CO2, otrophs such as greet, thereby, incorporate their bodies decomp	ph in ca sos	the arbon is phere, and or pictures and plants. g carbon into e and carbon is	Picture	es and Charts	

	Carbon Cycle Sunlight CO2 in the atmosphere Photosynthesis by producers Plant respiration Photosynthesis Pho	
	Explain the process of the carbon cycle depicting processes such as a) Photosynthesis b) Respiration c) Burning d) Decay	
	Have learners compile information on the carbon cycle and give reasons why it is a repeated pattern e.g. it is because the carbon is circulated continuously in the environment	
PHASE 3: REFLECTION	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	

Week Ending: 27-01-20	123	DAY:		Sı	ubject: Science			
Duration: 100mins				Sí	trand: Cycles			
Class: B8		Class Size:		Sı	ub Strand: The C	Carbon C	Cycle	
Content Standard: B8.2.1.1 Demonstrate und Carbon cycle as an examp in nature and how it relat	ole of repeated p	attern of change	Indicator: B8.2.1.1.1 Explain carbon cycle.	n th	ne process of the	the Lesson:		
Performance Indicator Learners can describe t		the carbon cycle.			Core Competer DL 5.3: Cl 6.8: DL		5.6:	
References: Science Cu	•							
						_		
Phase/Duration PHASE I: STARTER	Learners Act					Resou	rces	
THASE I; SIARIER	venise with it	earners on the pr	evious iesson.					
	Share learnin	g indicators and in	ntroduce the lessor	n.				
PHASE 2: NEW LEARNING	Revise with leand respiration Have learners atmosphere. Guide learner the carbon of exchanged an atmosphere of the carbon of the carbon of exchanged are atmosphere of the carbon of the	earners to define on. Is discuss the role of earth of earth. Identify the carbonotes on what hap on enters the atmonis absorbed by autoals consume plants als and Plants die, ack into the atmospical of earth.	cal cycle by which re, pedosphere, geon cycle from charts pens at each stage. sphere as CO2. otrophs such as grees, thereby, incorporate their bodies decomp	ph in car cosp s o	otosynthesis the rbon is ohere, and r pictures and blants. g carbon into e and carbon is	Picture	es and Charts	

	Carbon Cycle Sunlight CO2 in the atmosphere Photosynthesis by producers Plant respiration Photosynthesis Pho	
	Explain the process of the carbon cycle depicting processes such as a) Photosynthesis b) Respiration c) Burning d) Decay	
	Have learners compile information on the carbon cycle and give reasons why it is a repeated pattern e.g. it is because the carbon is circulated continuously in the environment	
PHASE 3: REFLECTION	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	

Week Ending: 03-02-20)23	DAY:		Subject: Science		
Duration: 100mins	: 100mins Strand: Cycles					
Class: B8		Class Size:		Sub Strand: Life C Anopheles Mosqui	•	
Content Standard: B8.2.2.1 Demonstrate an the Anopheles mosquito mosquito on humans can	and show how th be managed			be the life cycle and ance of the Anophe		Lesson:
Performance Indicator Learners can describe t Anopheles mosquito		d economic impo	rtance of the	Core Competer DL 5.3: Cl 6.8: DL		5.6:
References: Science Cu	urriculum Pg. 5	9				
Phase/Duration PHASE I: STARTER	Ask learners why they disl	earners on the pro to mention some ike them.	evious lesson. common insects in		Resour	rces
PHASE 2: NEW LEARNING	Explain to lead not bite human anopheles modern anopheles	relate to these inful. earners to describe is a parasite that be reponded bushy, and the properties of the properties of the female anopheles which is the causative draw the different is reasonable to the female anopheles which is the causative draw the different is research.	nsects and tell which the a mosquito. Treeds in stagnant would even in surrounding the surrounding the species of any kind of a disease the on the internet	mosquitoes do e, but the female to find more che disease malaria.	Picture	es and Charts

1. The adult female anotheles mosquito adult lays eggs onto the surface of a stagnant water body. 2. The eggs hatch into larvae in eggs 2-5 days after they are laid. 3. The larvae grows to become the larvae pupa. 4. The pupa develops into the pupa adult [imago]. Guide learners to describe the economic importance of the Anopheles mosquito. Example: 1. Mosquitoes visit flowers for nectar and in the process cause pollination of the flowers of such plants 2. Mosquitoes help to preserve fossil when their larvae feed on microorganisms such as algae and microbes that speed the decay of organic matter. 3. Mosquito larvae aquatic food chain by serving as food sources for many predators like fish and birds. Assessment Describe the stages in the life cycle of a mosquito State three economic importance of the Anopheles mosquito PHASE 3: Use peer discussion and effective questioning to find out from **REFLECTION** learners what they have learnt during the lesson.

Week Ending: 03-02-20	23	DAY:		Subject: Science			
Duration: 100mins				Strand: Cycles	;		
Class: B8		Class Size:		Sub Strand: Life Cycle Of The Anophe Mosquito			
the Anopheles mosquito a mosquito on humans can l	Content Standard: B8.2.2.1 Demonstrate an activity to show the life cycle of the Anopheles mosquito and show how the effects of the mosquito on humans can be managed Indicator: B8.2.2.1. 2 Discuss the impact of the Anopheles mosquito on humans and can be controlled						Lesson:
Performance Indicator Learners can discuss the can be controlled		Anopheles mosq	uito on humar	ns and how it		Compet : Cl 6.8: [encies: DL 5.1: Cl 6.6:
References: Science Cu	ırriculum Pg. 5	9					
DI /D :		• •,•				l n	
Phase/Duration PHASE I: STARTER	Learners Act	earners on the pr	evious lesson			Resour	ces
	Share learnin	g indicators and ir		esson.			
PHASE 2: NEW LEARNING	Give learners their findings Example: I. Mosquitoe Brainstorm le the envir the chem the biolo The gene Guide learne malaria in Gh I. The enviro of chocked weeding/of the fent The chemicals the various The biolog mosquito eating fish mosquito and thus of the genet release of	in groups of four. cuss the impact of smodium on human are enough time for to the whole classes cause various dearners to mention onmental control method in an are enough tickers [stagnant elearing of bushes in the learners of their dearners of their population method involves of sterile [infertile] mes into the environners into the environners of their dearners of their population method involves of sterile [infertile] mes into the environners of their populations of the environners of the enviro	this activity. He is for discussion liseases in human some method, and of the method of the mosquito controlling mosquito trolling mosquito to the use of the its population. If Guppies could be don the most of the breeding [place]	lave them presern. lans and other and the land t	nimals alaria. raining rounds se of during quito o vae		es and Charts

	male mosquitoes mate with the fertile female mosquitoes, there are no eggs laid.
	Have learners role play to generate solutions to control malaria in Ghana.
	Assessment I. State and explain the methods to control malaria in Ghana. 2. Write two advantages and two disadvantages each for the following; I. the environmental control method, II. the chemical control method III. the biological control method IV. The genetic method
PHASE 3: REFLECTION	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.
REFLECTION	Take feedback from learners and summarize the lesson.

Week Ending: 10-02-20	g: 10-02-2023 DAY: Subject: Science						
Duration: 100mins				Strand: Systems			
Class: B8		Class Size:			ub Strand: Mamn	nalian To	ooth
Content Standard: B8. 3.1.1 Demonstrate knowledge of parts of mammalian tooth and the functions of the different types of teeth in relation to feeding in man Indicator: B8.3.1.1.1 Identify parts of a mammalian tooth							Lesson:
Performance Indicator Learners can identify pa	irts of a mamm				Core Competer DL 5.3: Cl 6.8: DL		5.6:
References: Science Cu	ırriculum Pg. 5	9					
Phase/Duration PHASE I: STARTER	Ask learners	earners on the proto to mention some	evious lesson. common insects i	n t	heir home and	Resour	rces
PHASE 2: NEW LEARNING	Share learnin Brainstorm le Dentition ref the teeth mo	why they dislike them. Share learning indicators and introduce the lesson. Brainstorm learners to explain the dentition. Dentition refers to the shape, number and the arrangement of in the teeth mouth of an animal					
	Have learners understand that the type of dentition in an animal is mainly suited [adapted] to the animal's mode of feeding. Guide learners to discuss the types of dentition in mammals. Homodont dentition and Heterodont dentition Learners talk about the milk [deciduous teeth] and the permanent [wisdom] teeth.						
	In groups, lea The crow above the The is the jaw bone	Neck Root Arners discuss the vn is the part of the gum the part of the took the region [part] of	enamel dentin (dentin) pulp cavily gum [gingiva] cementum blood verset ligament lateral canals nerves three parts of the the tooth which is the tooth neck w	m cro	ammalian tooth. own found edded in the		

	Guide learners to explain the functions of each part of the mammalian tooth of humans.
	The enamel is the outermost layer of the enamel tooth which forms the biting surface of the crown. It is the most hardest material in the human body.
	The dentine is the layer of the tooth which is found beneath the enamel. It forms a greater part of the tooth.
	The pulp cavity is a region within the tooth where the blood vessels are found.
	The gum is the flesh that holds the crown and the root together.
	The jaw bone contains the sockets that serve as a basement for the tooth.
	The cement is the adhesive substance that holds the tooth firmly in the jawbone and also to the periodontal fibers and membranes
	Assessment
	Draw a well labelled mammalian tooth.
	State and explain the types of dentition with examples.
	What is dentition?
PHASE 3: REFLECTION	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.
	Take feedback from learners and summarize the lesson.

Week Ending: 10-02-2023		DAY: Subject: Science		Subject: Science			
Duration: 100mins				Strand: Systems			
Class: B8		Class Size:		Sub Strand: Mamn	nalian To	ooth	
B8. 3.1.1 Demonstrate knowledge of parts of mammalian tooth and the functions of the different types of teeth in relation to feeding in man Performance Indicator: Learners can discuss the functions of the different types of teeth of the different types of teeth such as incised canines, premolars, and molars. Core Competer DL 5.3: CI 6.8: DL References: Science Curriculum Pg. 59				isors, I of I			
References: Science Co	irriculum i g. J	,					
Phase/Duration PHASE I: STARTER	Revise with lo Ask learners why they disl	Learners Activities Revise with learners on the previous lesson. Ask learners to mention some common insects in their home and why they dislike them.					
PHASE 2: NEW LEARNING	Discuss the fit Types of teet Incisors- cutting for Canines- for shear Molars ar tiny proje grinding fit Engage learner Assessment State one fun I) Incisors	Share learning indicators and introduce the lesson. Discuss the functions of the different types of human teeth. Types of teeth Incisors- The incisors are the front row teeth and are used for cutting food. Canines- The canines are conical edged in shape and are used for shearing flesh from bones Molars and Premolars- they have broad surfaces with some tiny projections on them called cups. They are used for grinding food. Engage learners to draw the different types of teeth. Assessment					
PHASE 3: REFLECTION	learners what	t they have learnt	ive questioning to during the lesson. Indicate the lesson the summarize the				

Week Ending: 17-02-20	-02-2023 DAY: Subject: Science					
Duration: 100mins	Duration: 100mins			Strand: Systems		
Class: B8		Class Size:		Sub Strand: Toot	oth And Gum Decay	
Content Standard: B8. 3.1.1 Demonstrate knowledge of parts of mammalian tooth and the functions of the different types of teeth in relation to feeding in man Indicator: B8.3.1.1.3 Explain the causes prevention of tooth and gum					Lesson:	
Performance Indicator		rovention of toot	and sum docay	Core Compete DL 5.3: Cl 6.8: Dl		
References: Science Cu			n and gum decay	DL 5.3: CI 6.8: DI	L 3.1; CI 6.6;	
Neier enees. Science Co	irriculani i g. o					
Phase/Duration	Learners Act	ivities			Resources	
PHASE I: STARTER	Revise with le	earners on the pr	evious lesson.			
	Share learnin	g indicators and in	ntroduce the lesso	า.		
PHASE 2: NEW LEARNING	Drill learners keywords in There are man among them in Guide learne and formation decay. I. Dental car Tooth decay of teeth. This is consome bacteria time. 2. Plague It consists of an are served.	rs ideas on the both for the correct puthe lesson. In diseases that can includes; tooth decay it is to describe the in of plaque and the cours when small had to the accumulation on sugary foods the sticky film layer devicted has been mixed.	n some disease of pard and discuss with an affect the teeth, but affect the teeth, but all a causes of tooth do not be proper way of part are left on the enterty of the causes of tooth do not be at a causes of tooth do not be proper way of part are left on the enterty of the enterty of the enterty of the causes of tooth do not be a cause of to	th them. meaning of the at the common disease ecay, gum diseases reventing tooth the enamel of the esult of the action of amel for a long		
	Gum disease is causes the guito also bleed for Periodontal distitution it is not treate. Guide learne treated or pr	m to be inflamed; i. Trequently. Sease may also lead d. rs to discuss how	n of plaque occurs we. to feel painful whe to bad breath and each of the tooth	en it is touched and the loss of teeth if		

1. The affected tooth can be removed in order to prevent the infection
from spreading.

2. The cavities that have been created within the tooth can either be removed or filled.

Treatment of Plague

Plague can easily be removed by the proper brushing of the teeth using a good tooth paste and brush.

Treatment of Gum disease

- I. The teeth should be brushed properly in order to prevent the accumulation of bacteria or plaque.
- 2. The teeth should be brushed at least twice daily.

<u>Assessment</u>

The diagrams below are illustrations of the different types of teeth in humans. Study them carefully and use them to answer the questions that follow.



- i. Identify each type of teeth labeled A, B and C.
- ii. Describe the shape of each of the teeth labeled A, B and C.
- iii. State one function of each of the teeth labeled A, B and C.
- iv. Name the parts of the teeth labeled I and II

PHASE 3: REFLECTION

Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.

Week Ending: 17-02-2	2023 DAY: Subject: Science						
Duration: 100mins				S	Strand: Systems		
Class: B8		Class Size:		S	Sub Strand: Tooth	And G	um Decay
Content Standard: B8. 3.1.1 Demonstrate knowledge of parts of mammalian tooth and the functions of the different types of teeth in relation to feeding in man Indicator: B8.3.1.1.3 Explain the causes and prevent of tooth and gum decay.						ntion	Lesson: 2 of 2
Performance Indicat					Core Competen		, ,
Learners can explain t		•	oth and gum decay	<u>′</u>	DL 5.3: CI 6.8: DL	5.1: CI	6.6:
References: Science (Lurriculum Fg.	37					
Phase/Duration	Learners Act	rivities				Resou	ırces
PHASE I:		earners on the pr	revious lesson.			110001	
STARTER		·					
	Share learning	g indicators and i	ntroduce the lesso	on.			
PHASE 2: NEW LEARNING	1. Brush in the decay 2. Avoid 3. Avoid 4. Chan 5. Freque sugar 6. Avoid etc. 7. Visit exam	ryour teeth at lease evening, in order y. I eating too much so a eating either too large your toothbrush yently chew tough so reane in order to start sharp pointed objects and charts demonstrated.	to remove plaque was ugary foods not or too cold foods at least once every substances like bond rengthen the teeth ects like pins, needly, at least twice a year	y; i.e. which I s. s. which I s. s. which I sees and es, know ear for ear for ears the ears t	in the morning and leads to teeth e months I fibers like ife, broom, sticks,	Chart	res and



Place the brush at a 45° angel to the front tooth surface. Bristles must contact both lines of tooth and gum.



Move the brush in a small, jiggling, circular motion.

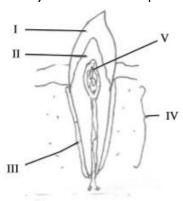


Clean the inside surfaces of the back teeth by moving the brush in a small back and forth motion.

<u>Assessment</u>

The diagram below is an illustration of a longitudinal section of a canine tooth in humans

Study the diagram carefully and answer the questions that follow



- I. Name each of the parts labeled I, II, III, IV and V.
- ii. What is the function of each of the parts labeled I and III?
- iii. Which of the labeled parts could be affected by tooth decay?
- iv. State three ways by which tooth decay may be prevented.

PHASE 3: **REFLECTION**

Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.

Week Ending: 24-02-20	4-02-2023 DAY: Subject: Science							
Duration: 100mins				Strand: Forces & E	Energy			
Class: B8		Class Size:		Sub Strand: Energ	y Conve	rsion		
Content Standard: B8.4.1.1 Demonstrate the of energy from one form	be energy conversion	on	Lesson:					
	Performance Indicator: Core Competer							
Learners can describe energy conversion DL 5.3: Cl 6.8: DL 5.1: Cl 6. References: Science Curriculum Pg. 69								
References: Science Cu	irriculum rg. 6	7						
Phase/Duration	Learners Act	ivities			Resour	rces		
PHASE I: STARTER	Revise with le	earners on the pr	evious lesson.			-		
	Share learnin	g indicators and i	ntroduce the lesso	n.				
PHASE 2: NEW LEARNING	do all the var Every type of used to do. There is the another form Brainstorm le The process di of energy is kr Revise with le The law of cor created nor be Have learners It enables a mi into a less avai	ious kinds of work energy has a particular to sometime that can be used earners for the meaning which one for nown as energy contearners on the law exercise destroyed but it could be a discuss the important and the core available but a more users to describe how her.	es change one forn to perform partic eaning of energy co m of energy change	rk that it can be n of energy into ular work. onversion. s into another form of energy. can neither be conversion. orm to be changed ted from one	Picture	es and Charts		

	 Assessment What is energy conversion? State and explain the law of conservation of energy. Describe three ways how energy is converted from one form 	
	to another	
PHASE 3: REFLECTION	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	

Week Ending: 24-02-20	Ending: 24-02-2023 DAY: Subject: Science					
Duration: 100mins				Strand: Forces & Energy		
Class: B8		Class Size:		Sub Strand: Ene	rgy Conve	ersion
Content Standard: B8.4.1.1 Demonstrate the of energy from one form	to another	the conversion	Indicator: B8.4.1.1.2 Discuss conversion of ener	gy.		Lesson: 2 of 2
Performance Indicator		. (Core Compet		, ,
Learners can discuss the	•		energy	DL 5.3: Cl 6.8: [JL 3.1: CI	5.6:
References: Science Cu	irriculum Fg. 6	7				
Phase/Duration	Learners Act	ivities			Resou	rces
PHASE I: STARTER		earners on the p	revious lesson.		110000	
		-				
		-	introduce the lessor			
PHASE 2: NEW LEARNING			at the more available		Pictur	es and Charts
LEARNING			ained from renewabl seful energy forms ar			
		newable sources	O,	c also obtained		
	energy. a. Renewable Renewable so inexhaustible is continuous use Examples of the sun, tidal energy from many b. Non - Renewal are exhaustible continuous use Examples of menergy from fisubstances, choingas from de Guide learne waste goes the The biogas did inexpendence of the substance of the s	sources Of Energy remains supply or cannot be the renewable sources of energy from the shoving water, etc. ewable Sources of energy from the supply or care in supply or care on - renewable sources of energy from the supply of ecaying organic was to explain the prough to produce the steries of the supplemental energy from the prough to produce the supplemental energy from the supplemental	efers to all those energy of get depleted with the rees of energy includes ea, wind energy from a company engy refers to all those of get finished with time ources of energy includes of energy from an antural gas or crudaste, etc.	y sources that are me as a result of s; solar energy from moving air, hydro energy sources that as a result of les; chemical radioactive le oil like petrol, ant and animal	n ut	

A pictorial diagram of a domestic biodigester water closef Biogas outlet Collecting tank Biogas tank

Guide learners to explain the processes that a solar heater goes through to produce electricity.

The solar heater

The solar heater is a device that converts solar energy which is obtained from the sun into other energy forms like electricity or heat for various domestic purposes.

A pictorial diagram of a solar heater



Guide learners to describe how to harness natural forms of energy into other forms.

<u>Assessment</u>

Explain the processes that a dammed river goes through to produce electricity.

PHASE 3: REFLECTION

Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.

Week Ending: 03-03-2023 DAY:				Subject: Science				
Duration: 100mins	Duration: 100mins				Strand: Forces & Energy			
Class: B8 Class Size:				Sub Ener	Strand: Renewab	le & Noi	n-Renewable	
Content Standard: B8.4.1.2 Show an understanding of the sources of renewable energy and how to manage these sources in a sustainable manner			Indicator: B8.4.1.2.1 De renewable fo		e renewable and r of energy	ion-	Lesson:	
	Performance Indicator: Learners can describe renewable and non-renewable forms of energy Core Compete DL 5.3: CI 6.8: D						.6:	
References: Science Cu	urriculum Pg. 7	0						
Phase/Duration PHASE I: STARTER	Learners Activities Revise with learners on the previous lesson. Share learning indicators and introduce the lesson.					Resour	ces	
PHASE 2: NEW LEARNING	Guide learner non-renewab hydro, crude	Brainstorm learners to explain renewable and non-renewable sources of energy. Guide learners to identify the various sources of renewable and non-renewable forms of energy and classify them e.g. wind, coal, hydro, crude oil, natural gas, solar and biogas. Describe how to produce energy from a renewable source.					es and Charts	
PHASE 3: REFLECTION	learners what	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson. Take feedback from learners and summarize the lesson.						

Week Ending: 03-03-2023 DAY:				Subject: Science		
Duration: 100mins			Strand: Forces & Energy			
Class: B8		Class Size:		Sub Strand: Renewable & No Renewable Energy		Non-
Content Standard: B8.4.1.2 Show an understanding of the sources of renewable energy and how to manage these sources in a sustainable manner			onstrate how to manage wable energy sustainably		Lesson: 2 of 2	
Performance Indicator: Learners can demonstrate how to manage sources of renewable energy sustainably Core Competer DL 5.3: CI 6.8: D						
References: Science Cu	ırriculum Pg. 7	0				
Phase/Duration PHASE I: STARTER		earners on the p		n.	Resour	rces
PHASE 2: NEW LEARNING	Share learning indicators and introduce the lesson. Research about information on the stages involved in managing renewable energy sources Create a table to describe challenges associated with the management of different sources of renewable energy					es and Charts
PHASE 3: REFLECTION	Use peer disc learners what	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson. Take feedback from learners and summarize the lesson.				

Week Ending: 10-03-	DAY: Subject: Science		ject: Science				
Duration: 100mins			Strand: Forces & Energy				
Class: B8	Class Size: Sub Strand: Heat And			d Temperature			
Content Standard: B8.4.1.3 Demonstrate a relationship between he	eat and temper			scuss the differences and the petween heat and temperature nment Lesson: I of 2			
Performance Indicator Learners can describe t and temperature		and the relationsh	onship between heat DL 5.3: CI 6.8: DL				
References: Science Cu	ırriculum Pg. 7	l					
Phase/Duration PHASE I: STARTER	Learners Act	ivities earners on the pro	evious lesson.			Resources	
PHASE 2: NEW	Share learning	g indicators and ir	ntroduce the le			<u> </u>	16:
LEARNING	Share learning indicators and introduce the lesson. Brainstorm learners for meaning of temperature and heat Temperature is a measure of the degree of hotness or coldness of a substance Heat is a form of energy that is transferred from one body to another due to a difference in temperature. Create a table to show the distinguishing features of temperature and heat. 1. Definition: Temperature is a measure of the degree of hotness or coldness of a substance, while heat is a form of energy that is transferred from one body to another due to a difference in temperature. 2. Units: Temperature is typically measured in units of degrees Celsius (°C) or Fahrenheit (°F), while heat is measured in units of joules (J) or calories (cal). 3. Transfer: Temperature can be transferred from one object to another when the two objects are in contact. Heat, on the other hand, always flows from a hotter object to a cooler object. 4. Sensation: Temperature can be sensed by touch or with a thermometer, while heat is not directly sensed, but rather it is inferred from changes in temperature or other physical effects. 5. Dependence: Temperature depends only on the average kinetic energy of the particles in a substance, while heat depends on both the temperature and the amount of substance. 6. Effect: Temperature affects the physical properties of a substance, such as its volume, density, and state of matter. Heat, on the other hand, can change the temperature and physical state of a substance, as well as do work.					es and Charts	

	Temperature is a measure of the average kinetic energy of the particles in a substance, while heat is a form of energy that is transferred from one body to another due to a difference in temperature. When two objects of different temperatures are brought into contact, heat will flow from the hotter object to the cooler object until they reach thermal equilibrium and have the same temperature.
PHASE 3:	Use peer discussion and effective questioning to find out from
REFLECTION	learners what they have learnt during the lesson.
	Take feedback from learners and summarize the lesson.

Week Ending: 10-03-	2023	DAY:		Subject: Science			
Duration: 100mins				Strand: Forces & Energy			
Class: B8	ss: B8 Class Si			Sub Strand: Electr	icity And	d Electronics	
Content Standard: B8.4.2.1 Demonstrate knowledge of electricity transmission Indicator: B8.4.2.1.1 Explain how electricity transmission occurs.					Lesson: 2 of 2		
Performance Indicator Learners can explain ho		ransmission is ge	enerated	Core Competer DL 5.3: Cl 6.8: DL		5.6·	
References: Science Cu	•			1 2 2 3 3 4 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4			
Phase/Duration	Learners Act	ivities			Resources		
PHASE I: STARTER	Revise with le	earners on the p	orevious lesson.				
		<u> </u>					
PHASE 2: NEW LEARNING		earners to ident	ify different stages of	electricity	Pictures and Charts		
LEARINING	Share learning indicators and introduce the lesson. Brainstorm learners to identify different stages of electricity transmission 1. Generation: This is the process of producing electrical energy in power plants, either through burning fossil fuels, using nuclear reactions, or harnessing renewable energy sources like solar, wind, or hydroelectric power. 2. Step-up transformation: The electrical energy produced by power plants is typically at a low voltage level. To minimize energy losses during transmission, the voltage is stepped up using transformers, which increase the voltage to several hundred kilovolts or even megavolts. 3. Transmission: The high-voltage electricity is then transported over long distances via overhead power lines or underground cables. The transmission lines are designed to minimize energy losses due to resistance and other factors. 4. Step-down transformation: Once the electricity reaches its destination, it is stepped down using transformers to a lower voltage suitable for distribution to homes, businesses, and other consumers. 5. Distribution: The final stage of electricity transmission involves distributing the electricity to end-users via a network of power lines and transformers. The distribution system delivers electricity to local substations, which then distribute the electricity to homes and businesses in the surrounding area.						
DLIACE 3.	from the poi	nt of generation	he stages of electricit to the point of consu	umption			
PHASE 3: REFLECTION	•		ctive questioning to fi nt during the lesson.	na out trom			
	Take feedbac	ck from learners	and summarize the le	esson.			

FIRST TERM WEEKLY LESSON NOTES WEEK 10

REVISION AND END OF TERM ASSESSMENT

Week Ending: 17-03-2023		DAY:		Subject: Science			
Duration: 100MINS					Strand: Strands for the term		
Class: B8		Class Size:		Sub Strand: Sub strands for the term			ie term
<u> </u>				d summarize all what they have thin the term			
Performance Indicator: Learners can recall and summarize all what they have learnt within the term Core Competen DL 5.3: CI 6.8: DL							
References: Science Cu	ırriculum Pg. 7	1					
Phase/Duration	Learners Acti					Resources	
PHASE I: STARTER	Revise with le	earners on the pre	evious lesson.				
	Share learning	g indicators and ir	ntroduce the le	esson.			
PHASE 2: NEW LEARNING	Temperature is substance Heat is a form due to a difference a table and heat. I. Definition: coldness of transferred temperatu I. Units: Tem (°C) or Fare or calories I. Transfer: In another with hand, alwa I. Sensation: thermome inferred from the tempe I. Dependence energy of the tempe I. Effect: Tempe I. Sensation: thermome inferred from the tempe I. Dependence energy of the tempe I. Effect: Tempe II Effect: Tem	nperature is typicall hrenheit (°F), while (cal). Femperature can be hen the two object ys flows from a hot Temperature can be ter, while heat is not changes in temperature dethe particles in a surature and the amonperature affects the volume, density, archange the temperature and the amother temperature.	degree of hotner degree of hotner descriptions feat the assure of the content of another due to a measure of the another due to another due to a measure of transferred from the area in contact. The object to a content of the area of t	degrees of energy and one be degrees of energy and one of energy and one of energy and one of each or	coldness of a cody to another of temperature of hotness or rgy that is erence in f degrees Celsius inits of joules (J) cobject to on the other object. with a crather it is sical effects. erage kinetic epends on both of a substance, at, on the other e of a substance,	Picture	es and Charts

	Temperature is a measure of the average kinetic energy of the particles in a substance, while heat is a form of energy that is transferred from one body to another due to a difference in temperature. When two objects of different temperatures are brought into contact, heat will flow from the hotter object to the cooler object until they reach thermal equilibrium and have the same temperature.	
PHASE 3: REFLECTION	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	

Week Ending: 17-03-2023 DAY:				Subject: Science			
Duration: 100MINS				Strand: Strands treated for the term			
Class: B8		Class Size:		Sub Strand: Sub strands for the term			
Content Standard: Demonstrate knowledge topics treated so far.	ge and understa	Indicator: Preparation towar		Lesson:			
Performance Indicator: Learners can answer all end of term assessment questions in their exercise books. Core Competer DL 5.3: CI 6.8: DL							
References: Science Cu	ırriculum						
Phase/Duration PHASE I: STARTER	Learners Activities Ask learners to bring and display all the materials needed for the assessment.					Resources Exercise books, pen, pencils, erasers, Answer	
	Educate them on the consequences of examination mal sheets.						
PHASE 2: NEW LEARNING	Engage learners to arrange themselves properly to sit for the assessment test. SBA, Assessment Questions and exercise books.					ions and	
	Mark learners answer sheets or exercise books.						
	Fill in learner's SBA books and report cards.						
	Distribute learners answer sheets or exercise books for feedback.						