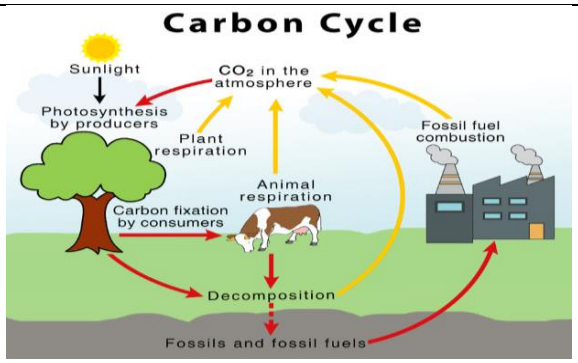
FIRST TERM
WEEKLY LESSON NOTES
WEEK 3

Week Ending: 27-01-2023	**DAY:**	**Subject:** Science	
Duration: 100mins		**Strand:** Cycles	
Class: B8	**Class Size:**	**Sub Strand:** The Carbon 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.		**Lesson:** 1 of 2
Performance Indicator: Learners can describe the process of the carbon cycle.		**Core Competencies:** DL 5.3: CI 6.8: DL 5.1: CI 6.6:	
References: Science Curriculum Pg. 57			

Phase/Duration	Learners Activities	Resources
PHASE 1: **STARTER**	Revise with learners on the previous lesson. Share learning indicators and introduce the lesson.	
PHASE 2: **NEW LEARNING**	Brainstorm learners to name different forms of carbon that they have encountered. Revise with learners to define key terms such as photosynthesis and respiration. Have learners discuss the role of carbon dioxide in the atmosphere. Guide learners to explain the carbon cycle. The carbon cycle is the biological cycle by which carbon is exchanged among the biosphere, pedosphere, geosphere, and atmosphere of earth. Let learners identify the carbon cycle from charts or pictures and write short notes on what happens at each stage. Stage 1: *Carbon enters the atmosphere as CO2.* Stage 2: *CO2 is absorbed by autotrophs such as green plants.* Stage 3: *Animals consume plants, thereby, incorporating carbon into their system.* Stage 4: *Animals and Plants die, their bodies decompose and carbon is reabsorbed back into the atmosphere.* Produce a flow chart to trace the process of the carbon cycle in nature	Pictures and Charts

	 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.	

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	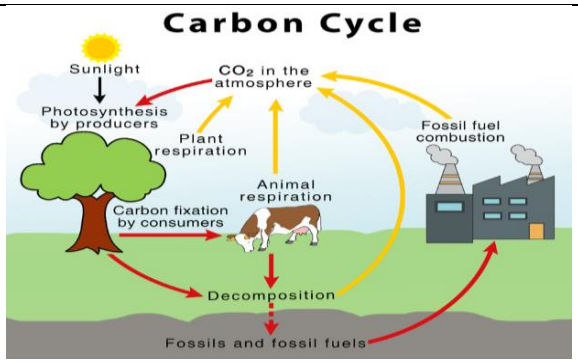 Explain the process of the carbon cycle depicting processes such as a) Photosynthesis b) Respiration c) Burning d) Decay Have learners compile information on the carbon cycle and give reasons why it is a repeated pattern e.g. it is because the carbon is circulated continuously in the environment	
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