

THIRD TERM
WEEKLY LESSON NOTES
WEEK 9

Week Ending: 25-08-2023	DAY:	Subject: Science
Duration: 100mins		Strand: Humans & The Environment
Class: B8	Class Size:	Sub Strand: Climate Change & Green Economy
Content Standard: B8.5.4.1 Demonstrate an understanding of the effects of climate change in the world and greening of other tropical countries including Ghana.	Indicator: B8.5.4.1.1 Explain the concept of climate change and its effect on the environment.	Lesson: 1 of 2
Performance Indicator: Learners can explain the concept of climate change and its effect on the environment.		Core Competencies: DL 5.3: CI 6.8: DL 5.1: CI 6.6:
References: Science Curriculum Pg. 78		
Phase/Duration	Learners Activities	Resources
PHASE 1: STARTER	<p>Revise with learners to review their understanding in the previous lesson.</p> <p>Share performance indicators with learners.</p>	
PHASE 2: NEW LEARNING	<p>Discuss the weather and how it changes over time. Transition this discussion into the difference between weather and climate.</p> <p>Introduce the concept of climate change, emphasizing that it involves long-term alterations in climate patterns, including temperature, precipitation, wind, and other factors.</p> <p>Discuss the signs of climate change, such as increasing global temperatures, melting ice caps, rising sea levels, and changing weather patterns.</p> <p>Explain the impact of climate change on the environment, including loss of biodiversity, more frequent and severe weather events, changes in ecosystems, and threats to human societies.</p> <p>Introduce the concept of a green economy and how it relates to efforts to combat climate change.</p> <p>Assign learners to small groups and have them research the causes and effects of climate change. Each group should prepare a brief report to present to the class.</p> <p>Discuss various methods that countries are using to adapt to climate change. Mention examples like tree planting, legislation on bush burning, renewable energy initiatives, and others.</p> <p><u>Assessment</u></p> <p>1. List three signs of climate change that we can observe in our environment.</p>	Pictures and charts

	<ol style="list-style-type: none">2. What are some of the effects of climate change on biodiversity?3. Name two ways in which countries are adapting to climate change.4. How does a green economy help combat climate change?	
PHASE 3: REFLECTION	<p>Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.</p> <p>Take feedback from learners and summarize the lesson.</p>	

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Class: B8	Class Size:	Sub Strand: Climate Change & Green Economy
Content Standard: B8.5.4.1 Demonstrate an understanding of the effects of climate change in the world and greening of other tropical countries including Ghana.	Indicator: B8.5.4.1.2. Describe climate change and green economy actions.	Lesson: 2 of 2
Performance Indicator: Learners can describe climate change and green economy actions.		Core Competencies: DL 5.3: CI 6.8: DL 5.1: CI 6.6:
References: Science Curriculum Pg. 79		

Phase/Duration	Learners Activities	Resources
PHASE 1: STARTER	<p>Revise with learners to review their understanding in the previous lesson.</p> <p>Share performance indicators with learners.</p>	
PHASE 2: NEW LEARNING	<p>Recap the concept of climate change and the impacts it has on the environment.</p> <p>Introduce the concept of climate change adaptation and mitigation strategies, focusing on how these can be applied on a community level.</p> <p>Explain the different climate change adaptation measures that can be applied in the community, such as water conservation practices, planting local and drought-resistant crops, creating green spaces, etc.</p> <p>Discuss various mitigation strategies such as reducing energy consumption, promoting renewable energy sources, recycling and waste management, etc.</p> <p>Engage learners in a discussion about the feasibility and potential impact of these measures in their own community.</p> <p>Encourage them to think about the specific challenges and advantages their community might have.</p> <p>Divide learners into small groups and assign each group to come up with a practical plan on how their community can implement one adaptation measure and one mitigation strategy.</p> <p>Each group should consider the resources required, the steps needed to implement it, and the potential impact of their plan.</p>	Pictures and charts

	<p>Each group will present their plan to the class, discussing the adaptation measure and mitigation strategy they chose, why they chose them, and how they plan to implement them.</p> <p><u>Assessment</u></p> <ol style="list-style-type: none"> 1. List two climate change adaptation measures that can be applied in your community? 2. What are two mitigation strategies that your community could implement to reduce the effects of climate change? 3. Why is it important for communities to engage in climate change adaptation and mitigation strategies? 	
<p>PHASE 3: REFLECTION</p>	<p>Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.</p> <p>Take feedback from learners and summarize the lesson.</p>	