Fayol Inc. 0547824419

SECOND TERM WEEKLY LESSON NOTES WEEK 9

Week Ending:	DAY:			Subject: Science		
Duration: 100mins				Strand: Forces & End	ergy	
Class: B9		Class Size	e:	Sub Strand: Conversion Of Energy		Conservation
Content Standard:		Indicator:	Lesson			
B9.4.3.1 Show an understanding of conversion			B9.4.3.1.1 Describe how energy can be conve			Lesson:
and conservation of energy and their application			from one form to another and show how			l of 2
to life.			conservation of energy			
Performance Indicator: Learners can differentiate between the conversion energy and understand their applications in daily				Core Competencies: Critical Thinking and Problem Solving (CP), Communication and Collaboration (CC) Digital Literacy (DL), Creativity and Innovation		Collaboration
References: Science	Curriculum Pg. 10	09				
Key words: Energy,	Energy conversio	n, Energy c	onservation			
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Phase/Duration	Learners Activities Resources			urces		
PHASE I:	Begin the lesson	with a sim	ple question: "What is ei	nergy?" Encourage		
STARTER	responses on th	e board. the terms	nitions and examples of e "energy conversion" and e can provide examples	"energy		
	Share learning indicators and introduce the lesson.					
PHASE 2: NEW LEARNING	Define key terms: energy conversion, energy conservation. Explain that energy conversion involves changing one form of energy into another, while energy conservation involves the preservation of total energy within a system. Provide brief examples of each concept, such as a light bulb converting electrical energy into light energy (conversion) and a swinging pendulum				ams depicting gy conversion	
	Divide the class Provide each gro	into small good	nergy (conservation). groups. lages or descriptions of o a car engine, a solar pan	••		

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	Instruct learners to identify and discuss the various forms of energy involved in each process.
	Each group presents their findings to the class, fostering a collective understanding of energy conversion.
	Introduce real-life scenarios or case studies where energy conservation is crucial (e.g., home insulation, hybrid vehicles).
	Assign different scenarios to each group and have them discuss how energy is conserved in those situations.
	Each group shares their insights with the class, highlighting the importance of energy conservation in daily life.
	 Assessment What happens to the form of energy when a leaf falls from a tree? How does using energy-efficient appliances at home contribute to energy conservation? Explain why a solar panel is an example of energy conversion. Describe one way understanding energy principles can help you
PHASE 3: REFLECTION	make healthier choices. 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:	DAY:			Subject: Science				
Duration: 100mins					Strand: Forces & Energy			
Class: B9 Class Siz		Sub Strand: C Of Energy			nversion & Conservation			
Content Standard: B9.4.3.1 Show an understanding of conversion and conservation of energy and their application to life.			Indicator: B9.4.3.1.2 Describe how conversion and conservation of energy are applied in life.			Lesson:		
Performance Indicator: Learners can distinguish between energy convers conservation using everyday examples			ion and	Critic Com	e Competencies: cal Thinking and Problem munication and Collabor acy (DL), Creativity and	ation (CC) Digital		
References: Science	Curriculum Pg. 10	09						
Key words:								
Phase/Duration	Learners Activit	ies				Reso	ources	
PHASE I:	+		ef discussion abou	t the d	ifferent forms of			
STARTER	energy learners encounter in their daily lives. Ask them to share examples of energy conversion and conservation that they may have observed. Write these examples on the board. Share learning indicators and introduce the lesson.							
PHASE 2: NEW LEARNING	Briefly explain the from one form to energy within a Provide clear exscenarios. Divide the class Provide each ground each gro	ne distinction another) system). The samples of each into small a soup with a light second se	each concept, usin groups.	gy convervation g visua	version (changing n (preserving total ls or real-life s or objects (e.g., a	Pictures and charts		
	of energy conve	rsion, conse	ervation, or both.		nario as an example ering discussion and			

	Assign learners the task of identifying opportunities to conserve energy in their homes, schools, or communities. Instruct them to observe and document instances where energy can be
	conserved (e.g., turning off lights, using energy-efficient appliances). Each student produces a short report summarizing their findings, including suggestions for energy conservation.
	 Assessment What happens to the energy when you throw a ball in the air and catch it? How does turning off lights help conserve energy? Explain why using a bike instead of a car is an example of both energy conservation and conversion. Describe one opportunity to conserve energy in your daily routine.
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.