Fayol Inc. 0547824419

SECOND TERM WEEKLY LESSON NOTES WEEK 7

Week Ending:		DAY:		Subject: Science			
Duration: 100mins			Strand: Sy		nd: Systems		
Class: B9		Class Size:		Sub Strand: Ecosystem			
Content Standard: B9.3.3.1 Recognize the interdependence organisms in an ecosystem and appreciat interaction to maintain balance in the sys		iate their		scuss how the components		Lesson:	
Performance Indicator: Learners can differentiate between an ecosystem and a their key characteristics and appreciate the interconnect the importance of maintaining healthy ecosystems. References: Science Curriculum Pg. 104			and a habitat and identify onnectedness of life and	Core Competenci Critical Thinking and (CP), Communicatio	Core Competencies: Critical Thinking and Problem Solving (CP), Communication and Collaboration (CC) Digital Literacy (DL), Creativity and		
Key words:							
Phase/Duration PHASE I: STARTER	Learners Activities Resources Begin by asking learners what they know about different environments where plants and animals live. Introduce the concept of an ecosystem as a community of living organisms interacting with each other and their non-living environment.			urces			
	curiosity and sho	pictures of various ecosystems around the world to spark their sity and showcase diversity learning indicators and introduce the lesson.					
PHASE 2: NEW LEARNING	of different orga Explain the conceach other for some divide learners in construction page.	nisms (tree ept of inter urvival (foo into small g	m (e.g., a forest) and disp s, insects, birds, mammal rdependence and how or rd, shelter, pollination, etc roups and provide them	s). rganisms rely on c.). with yarn and	Pictures or diagrams of various ecosystems (forests, deserts, ponds, etc.) Pictures of different organisms within each ecosystem		
	,		yarn strands based on th	•			

Encourage discussion within groups about the different relationships they identified and the overall web of life within the chosen ecosystem.

construction paper, yarn, markers, etc.

Introduce the concept of a habitat as the specific place where an organism lives and finds its basic needs.

Compare and contrast habitats with ecosystems, emphasizing the narrower focus on a specific organism's niche.

Show pictures of different organisms and their corresponding habitats (e.g., a coral fish in a reef, a penguin on ice).

Play a "Habitat Hideout" game where learners act as different organisms and race to find their corresponding habitat picture based on clues about their needs and adaptations.

Discuss the diversity of habitats and their importance in providing suitable conditions for different organisms to thrive.

Provide learners with the worksheet containing pictures and descriptions of different ecosystems.

Challenge them to identify the organisms, their interactions, and the key characteristics of each ecosystem.

Have learners answer questions on the worksheet about interdependence, food webs, and potential threats to these ecosystems.

Encourage group discussion and collaboration to analyze the information and understand the complex dynamics within each ecosystem

Assessment

Divide learners into groups and assign each group a different ecosystem they studied.

Provide them with materials like construction paper, markers, and yarn to create a large collaborative mural of their assigned ecosystem.

Challenge them to include diverse organisms, their interactions, and important features of the habitat.

Allow time for creative expression and group teamwork to showcase their understanding of ecosystems and interdependence.

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:	DAY:		Subject: Science			
Duration: 100mins			Strand: Systems			
Class: B9	Class Size:		Sub Strand: Ecosystem			
Content Standard: B9.3.3.1 Recognize the interdependence of organisms in an ecosystem and appreciate their interaction to maintain balance in the system			of an ecosystem and di	icator: 3.3.1.1 Conduct research into the composition in ecosystem and discuss how the components end on each other for survival.		
Performance Indicator: Learners can analyze and predict the impacts of various types of interference on ecosystem balance and understand the importance of maintaining the delicate balance in ecosystems for sustainable life. References: Science Curriculum Pg. 104 Key words: Core Competencia (CP), Communication (CC) Digital Literacy Innovation				Problem Solving n and Collaboration		
Phase/Duration	Duration Learners Activities				Resources	
PHASE I: STARTER	Begin by asking learners what they know about food chains and how organisms depend on each other for food. Introduce the concept of an ecosystem as a web of interconnected food chains and explain the role of producers, consumers, and decomposers. Show pictures of different ecosystems and mention specific examples of food chains within each.					

	Share learning indicators and introduce the lesson.	
PHASE 2: NEW	Choose a specific ecosystem relevant to your location or learners'	Pictures or
LEARNING	interest (e.g., a tropical rainforest, a coral reef, a grassland).	diagrams of different
	Divide learners into small groups and provide them with food chain and food web templates.	ecosystems (forests, oceans, etc.)
	Challenge each group to research and construct a simple food chain within their assigned ecosystem, identifying producers, consumers, and decomposers.	Food chain and food web
	Encourage them to connect multiple food chains into a complex food web, illustrating the interconnectedness of organisms and energy flow.	templates List of potential
	Have groups share their created food chains and webs, discussing the relationships between organisms and the overall ecosystem balance.	ecosystem interferences (earthquake, volcanic eruptions,
	Introduce the concept of ecosystem balance and its importance for the survival of all living organisms.	hunting, farming, mining, "galamsey," pollution,
	Present the list of potential interferences (earthquake, volcanic eruptions, hunting, farming, mining, "galamsey," pollution, pesticides, bush burning).	pesticides, bush burning)
	Divide the class into small groups and assign each group a specific interference.	
	Provide them with the worksheet containing questions about the potential impacts of their assigned interference on different components of the chosen ecosystem and its overall balance.	
	Challenge learners to analyze the impacts on producers, consumers, decomposers, food chains, and the web as a whole.	
	Encourage group discussion and collaborative analysis to predict the consequences and potential long-term effects on the ecosystem.	
	Assessment Organize a debate on the topic: "Development vs. Conservation: Striking a Balance for a Sustainable Future."	
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.	