

SECOND TERM

WEEKLY LESSON NOTES

WEEK 2

Week Ending: 19-01-2024		DAY:	Subject: Science
Duration: 100mins		Strand: Cycles	
Class: B9	Class Size:		Sub Strand: Crop production
Content Standard: B9.2.3.2 Demonstrate knowledge and understanding of uses of different crops at different maturity stages		Indicator: B9.2.3.2.1 Observe and record the uses of different crops at different maturity stages	Lesson: 1 of 2
Performance Indicator: Learners can discuss and write about the uses of each maturity stage of identified crops.		Core Competencies: Critical Thinking and Problem Solving (CP), Communication and Collaboration (CC) Digital Literacy	
References: Science Curriculum Pg. 96			
Key words: Maturity Stages, Utilization, Agricultural Products, Culinary			
Phase/Duration	Learners Activities	Resources	
PHASE 1: STARTER	<p>Begin the lesson with a thought-provoking question: "Can you think of ways in which different stages of plant growth might be useful to us?"</p> <p>Allow learners to share their initial thoughts and experiences.</p> <p>Share learning indicators and introduce the lesson.</p>		
PHASE 2: NEW LEARNING	<p>Define the term "maturity stages" in the context of crop development. Discuss the significance of each stage in the life cycle of a crop.</p> <p>Divide the class into small groups and assign each group a common crop (e.g., wheat, rice, tomato, maize).</p> <p>Instruct each group to research and discuss the uses of each maturity stage of their assigned crop.</p> <p>Groups create a visual representation or chart listing the uses at each stage.</p> <p>Each group presents their findings to the class, contributing to a collective chart on the board.</p> <p><u>Assessment</u></p> <ol style="list-style-type: none"> 1. What environmental factors influence the germination stage, and how can farmers optimize them for better crop establishment? 2. How does nutrient management play a vital role in maximizing the vegetative stage, and what are the potential challenges in nutrient uptake? 	Pictures and charts	
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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Performance Indicator: Learners can categorize crops based on their different maturity stages and identify their uses.			Core Competencies: Critical Thinking and Problem Solving (CP), Communication and Collaboration (CC) Digital Literacy		
References: Science Curriculum Pg. 96					
Key words: Categorization, Crop Maturity Stages, Utilitarian, Collaborative Learning					
Phase/Duration	Learners Activities				Resources
PHASE 1: STARTER	<p>Begin the lesson with a visual stimulus: display images of crops in different maturity stages.</p> <p>Ask learners to describe what they observe and think about how the maturity stages might impact the uses of these crops.</p> <p>Share learning indicators and introduce the lesson.</p>				
PHASE 2: NEW LEARNING	<p>Briefly review the concept of crop maturity stages and their importance in agriculture.</p> <p>Introduce the lesson's objective: to categorize crops based on their maturity stages and understand their uses.</p> <p>Discuss why it's valuable for farmers and agriculturalists to know the maturity stages of different crops.</p> <p>Provide information on various crops, including details about their maturity stages and common uses. Ensure diversity in the types of crops presented.</p> <p>Divide the class into small groups. Assign each group a set of crops to categorize based on their maturity stages and uses.</p> <p>Groups collaboratively categorize the assigned crops, creating charts or diagrams to represent their findings.</p> <p>Encourage discussions on the reasoning behind their categorizations.</p> <p>Each group presents their categorization to the class, explaining the rationale behind their decisions.</p> <p>Ask each student to write a brief reflection on the collaborative categorization activity.</p> <p><u>Assessment</u></p>				Pictures and charts

	<ol style="list-style-type: none"> 1. "In what ways does categorizing crops by maturity stages and uses align with the utilitarian aspect of agriculture?" 2. What are the key factors influencing successful pollination during the reproductive stage, and how can farmers enhance pollination efficiency? 3. How can farmers determine the optimal time for harvesting, and what factors contribute to the overall quality of the harvested crop? 	
<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>	