

THIRD TERM
WEEKLY LESSON NOTES
WEEK 8

Week Ending: 18-08-2023	DAY:	Subject: Science
Duration: 100mins		Strand: Forces And Energy
Class: B8	Class Size:	Sub Strand: Agricultural Tools
Content Standard: B8.4.5.1 Demonstrate knowledge and skills in the use of basic and simple agricultural tools for basic on-farm activities		Indicator: B8.4.5.1.1 Show and discuss the use of basic and simple agricultural tools for basic on-farm activities.
		Lesson: 1 of 2
Performance Indicator: Learners can discuss the use of basic and simple agricultural tools for basic on-farm activities		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	Engage learners by asking them to name agricultural tools they know Record responses on the board. Share learning indicators and introduce the lesson.	
PHASE 2: NEW LEARNING	Collect and list different types of agricultural tools used for on-farm activities. Display and explain various agricultural tools, using images or actual samples. Discuss the name, purpose, and on-farm applications of each tool Show a video or demonstration of farmers using the discussed tools in real farm activities. Discuss how the tools are being used and their importance for each task. <i>1. Hoe: This is a versatile tool that has a long handle and a flat, thin blade at the end. It's primarily used to remove weeds, break up the soil, and dig trenches for seeds. It can also be used to move small amounts of soil.</i> <i>2. Rake: A rake is a tool with a long handle and a series of tines (or teeth) at the end. It's used to gather leaves or other debris, but can also be used to break up and level the soil.</i> <i>3. Shovel: A shovel is another long-handled tool, this time with a broad and usually curved blade. It's primarily used for digging, lifting, and moving bulk materials such as soil, gravel, or snow.</i> <i>4. Spade: While similar to a shovel, a spade typically has a flat, rectangular blade. It's primarily used for digging and moving soil, but its straight edge makes it particularly good for creating straight-sided holes or trenches.</i>	Pictures and charts

	<p>5. <i>Trowel: A trowel is a small hand tool with a short handle and a flat blade. It's typically used for small digging tasks, such as creating holes for seedlings or bulbs.</i></p> <p>6. <i>Pruning Shears: Pruning shears are a type of scissors for use on plants. They are strong enough to prune hard branches of trees and shrubs, sometimes up to two centimeters thick.</i></p> <p>7. <i>Garden Fork: A garden fork, also known as a digging fork or spading fork, is a gardening implement, with a handle and several (usually four) short, sturdy tines. It is used for loosening, lifting and turning over soil in gardening and farming.</i></p> <p>8. <i>Wheelbarrow: A wheelbarrow is a small hand-propelled vehicle, usually with just one wheel, designed to be pushed and guided by a single person using two handles at the rear. It is designed to distribute the weight of its load between the wheel and the operator, so enabling the convenient carriage of heavier and bulkier loads than would be possible were the weight carried entirely by the operator.</i></p> <p>Group learners and assign each group a specific on-farm activity</p> <p>Have groups discuss and present which tools would be most suitable for their assigned activity</p> <p><u>Assessment</u> Learners match each tool with the familiar type of agricultural activity it is used for and create an album of the tools.</p> <ol style="list-style-type: none"> 1. What is the primary use of a hoe in agricultural activities? 2. Why is it important to select the appropriate tool for a specific farm task? 3. How would you use a rake on a farm or in a garden? 4. Describe how to safely use a pair of pruning shears. 5. Why is a shovel important for agricultural activities? 	
<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>	

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Class: B8	Class Size:	Sub Strand: Agricultural Tools
Content Standard: B8.4.5.1 Demonstrate knowledge and skills in the use of basic and simple agricultural tools for basic on-farm activities	Indicator: B8.4.5.1.2 Engage in the use of basic and simple agricultural tools for basic farm activities.	Lesson: 2 of 2
Performance Indicator: Learners can discuss the use of basic and simple agricultural tools for basic on-farm activities		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	Learners in groups discuss the importance of using the right tools for different agricultural tasks. Briefly discuss safety measures when using these tools. Share learning indicators and introduce the lesson.	
PHASE 2: NEW LEARNING	Discuss different types of agricultural tools and their uses in farm activities. Show and explain each tool in detail, discussing its use in specific tasks. Walk the learners through the school garden or farm, if available. Demonstrate how to use each tool correctly and safely, performing various tasks such as planting, weeding, or turning the soil. Divide the learners into groups and assign each group a specific task to complete in the garden or farm, such as planting seeds, weeding a patch of land, or turning the soil. Each group will choose the appropriate tools for their assigned task and use them to complete the task. Let each group rotate through different farm tasks and practice using the relevant agricultural tools under your supervision. Present different farm tasks and ask the learners to discuss and decide which agricultural tools would be best suited for each task. Encourage them to consider the characteristics of each tool and how it matches the requirements of the specific task. <u>Assessment</u> 1. Name three factors you should consider when selecting a tool for a specific farm task. 2. What precautions should be taken when using agricultural tools?	Pictures and charts

	<p>3. If you were tasked with preparing a small patch of land for planting, which tools would you select? Explain your choices.</p> <p>4. How is a spade different from a shovel, and when might you use each?</p> <p>5. What tools might be useful for weeding a garden, and why?</p>	
<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>	