









**TERM THREE**  
**WEEKLY LESSON NOTES**  
**WEEK 7**

<b>Week Ending:</b> 28 <sup>th</sup> OCT, 2022	<b>DAY:</b>	<b>Subject:</b> Science
<b>Duration:</b> 100mins		<b>Strand:</b> Forces & Energy
<b>Class:</b> B7	<b>Class Size:</b>	<b>Sub Strand:</b> Agricultural Tools
<b>Content Standard:</b> B7.4.5.1 Demonstrate knowledge and skills in handling and maintenance of basic and simple agricultural tools		<b>Indicator:</b> B7.4.5.1.1 Explain the basic rules in handling and maintaining simple agricultural tools
<b>Performance Indicator:</b> Learners can describe basic rules in handling and maintaining simple agricultural tools.		<b>Lesson:</b> 1 of 2
<b>Performance Indicator:</b> Learners can describe basic rules in handling and maintaining simple agricultural tools.		<b>Core Competencies:</b> DL 5.3: CI 6.8: DL 5.1: CI 6.6:
<b>References:</b> Science Curriculum Pg. 41-42		
<b>Phase/Duration</b>	<b>Learners Activities</b>	<b>Resources</b>
<b>PHASE 1: STARTER</b>	Revise with learners on the previous lesson.  Share learning indicators and introduce the lesson.	
<b>PHASE 2: NEW LEARNING</b>	<p>Have learners list some simple or basic farm tools in agriculture. Examples: hand trowel, measuring tape, rake, watering can, etc.</p> <p>Discuss the meaning and importance of handling and maintenance of agricultural tools.</p> <div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="width: 25%;"> <p>1. Hand trowel</p>  <p>Uses: a. For transplanting seedlings b. For earthing up vegetables crops on bed</p> </div> <div style="width: 25%;"> <p>2. Measuring tape</p>  <p>Uses: For taking measurement on the farm</p> </div> <div style="width: 25%;"> <p>3. Rake</p>  <p>Uses: a. For gathering mulch. b. For breaking lumps of soil. c. For levelling the surface of the soil.</p> </div> <div style="width: 25%;"> <p>4. Watering can</p>  <p>Uses: a. For sprinkling water onto seedlings. b. For watering crops in the field. crops.</p> </div> <div style="width: 25%;"> <p>5. Spade:</p>  <p>Uses: a. For digging holes to plant crops b. For turning over the soil.</p> </div> <div style="width: 25%;"> <p>6. Hoe</p>  <p>Uses: a. For weeding. b. For planting. c. For making mounds</p> </div> <div style="width: 25%;"> <p>7. Pegs</p>  <p>Uses: a. For making straight line b. For making out planting distance.</p> </div> <div style="width: 25%;"> <p>8. Shears</p>  <p>Uses: a. For trimming hedges. b. For pruning crop plants</p> </div> </div> <p>In groups, learners List and match the basic rules in handling and maintenance of tools with specific simple tools used in agriculture.</p> <p>Guide learners to describe how handling and maintenance of simple and basic agricultural tools are done.</p> <p>The following are some basic rules or safety precautions to remember when using or operating agricultural tools.</p> <ul style="list-style-type: none"> <li>• <i>Dress appropriately: An untied shoelace and flowing long hair should be tied when using farm tools. Dressing appropriately can reduce the risk of injuries.</i></li> <li>• <i>Maintain awareness: Stay focused. Beware of what you are doing and where you are going.</i></li> <li>• <i>Avoid alcohol: Even one shot of drink can affect your ability to operate machinery.</i></li> </ul>	Seesaw, crowbar, a pair of scissors, wheel barrow, shovel, spoon, pliers, knife

	<ul style="list-style-type: none"> <li>• <i>Keep alcohol out of the picture until you are done for the day.</i></li> <li>• <i>Have enough rest: Feeling fatigued when using farm tools can be dangerous. Make sure you take break from work when you need rest.</i></li> </ul> <p><u>Assessment</u> Identify and state the uses of five basic farm tools in agriculture.</p>	
<p><b>PHASE 3:</b> <b>REFLECTION</b></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> <p><u>Homework</u> Draw any five basic farm tools.</p>	

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<b>Content Standard:</b> B7.4.5.1 Demonstrate knowledge and skills in handling and maintenance of basic and simple agricultural tools	<b>Indicator:</b> B7.4.5.1.2 Apply the handling and maintenance of basic and simple agricultural tools in their community.	<b>Lesson:</b> 1 of 2
<b>Performance Indicator:</b> Learners can describe ways of maintaining farm tools.		<b>Core Competencies:</b> DL 5.3: CI 6.8: DL 5.1: CI 6.6:
<b>References:</b> Science Curriculum Pg. 41-42		

Phase/Duration	Learners Activities	Resources
PHASE 1: <b>STARTER</b>	<p>Revise with learners on the previous lesson.</p> <p>Share learning indicators and introduce the lesson.</p>	
PHASE 2: <b>NEW LEARNING</b>	<p>Engage learners to observe and discuss the handling and maintenance of basic and simple agricultural tools used in farms visited in the community and write a report.</p> <p>Through demonstrations, lead learners to assemble agricultural tools from the community and practice handling the tools to perform simple agricultural operations. Write down the operational rules of handling agricultural tools.</p> <p>Assemble agricultural tools from the community and practice the basic rules in tools maintenance and list the rules used.</p> <p>Let learners understand that Agricultural tools need proper care and maintenance so that they can be used efficiently to perform the various farming operations for a longer period of time.</p> <ul style="list-style-type: none"> <li>• <i>Sharpen tools before and after use: The cutting edges of tools such as cutlasses, axes, harvesting knives and shears become blunt after regular use. They should be sharpened by rubbing the blunt cutting edge against specially made stone or with a file. When you sharpen tools, it reduces the amount of force you need to apply to perform the task.</i></li> <li>• <i>Oil and grease metal parts: Tools made of iron or metal parts should always be cleaned after use, wash and dry them with rag. They should be rubbed with oil or grease before they are stored to prevent them from rusting.</i></li> <li>• <i>Wooden handles should be strong: Make sure tools with wooden handles are strong and durable. If there is any defect, replace them.</i></li> <li>• <i>Hang tools. They should be Keep your tools hanged. Leaving them on the floor can cause rusts as they come in contact with moisture. Leaving tools on the floor can cause injury to persons or</i></li> <li>• <i>persons stepping on them may break or deform them. This make them unsuitable for work.</i></li> </ul>	Seesaw, crowbar, a pair of scissors, wheel barrow, shovel, spoon, pliers, knife

	<p>Learners explain reasons for maintaining farm Tools; Maintenance prolong the life span and efficiency of the tools. A well maintained tool is safe to handle and the risk associated with the handling of these tools are reduced.</p> <p><u>Assessment</u> State and explain four ways of maintaining farm tools</p>	
<p>PHASE 3: <b>REFLECTION</b></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>	