



## AGRICULTURE SCHEME OF WORK GRADE 4 TERM ONE

NAME	
TSC NO.	
SCHOOL	

## AGRICULTURE SCHEME OF WORK GRADE 4 TERM ONE

Week	Lesson	Strand/Theme	Sub Strand	Specific learning outcomes	Key inquiry Questions	Learning experiences	Learning Resources	Assessment Methods	Reflection					
1	1	Conserving The Environment	Soil Soil Particles	By the end of the sub strand the learner should be able to: a) Distinguish types of soil based on particle sizes b) Investigate the ability of different types of soil to hold water c) Relate particle sizes to ability of soil to hold water d) Develop curiosity in investigating physical properties of different types of soil.	How can we determine the ability of different soils to hold water?		Soil samples - Sand - Clay - Loam	Short answers, project, group discussions						
	2		Soil Soil Particles										Short answers, project, group discussions	
	3		Soil Soil Particles										Short answers, project, group discussions	
2	1		Uses Of Soil In Farming					Short answers, project, group discussions						
	2		Uses Of Soil In Farming										Short answers, project, group discussions	
	3		Uses Of Soil In Farming										Short answers, project, group discussions	

3	1		<b>Compost Manure</b>		<p>What is compost manure</p> <p>What can we use to prepare compost manure?</p> <p>How can we make compost manure using the heap method?</p>		Organic materials for composting (farm waste from crops and animals)	Short answers, project, group discussions	
	2		<b>Compost Manure</b>	<p>b) Prepare compost manure for farming</p> <p>c) Explain the meaning of compost manure for farming</p> <p>d) Appreciate importance of compost manure in farming.</p>	<p>What is compost manure</p> <p>What can we use to prepare compost manure?</p> <p>How can we make compost manure using the heap method?</p>	<ul style="list-style-type: none"> <li>• Learners to collect suitable materials for making compost manure.</li> <li>• In groups, learners to prepare compost manure using heap method.</li> </ul>		Short answers, project, group discussions	
	3		<b>Compost Manure</b>		<p>What is compost manure</p> <p>What can we use to prepare compost manure?</p> <p>How can we make compost manure using the heap method?</p>			Short answers, project, group discussions	
4	1		<b>Uses Of Water In Farming</b>					Short answers, project, group discussions	
	2		<b>Uses Of Water In Farming</b>					Short answers, project, group discussions	

	3		<b>Uses Of Water In Farming</b>	By the end of the sub strand the learner should be able to: a) Water plants and domestic animals in the immediate environment b) Identify different uses of water in farming c) Appreciate importance of water in farming.	What are the uses of water in farming?	<ul style="list-style-type: none"> <li>• Learners to observe a video clip on uses of water in the farm.</li> <li>• In pairs, learners to brainstorm or share experiences on uses of water in the farm for agricultural activities.</li> </ul>	Assorted containers <ul style="list-style-type: none"> <li>- Bottles</li> <li>- Jerricans</li> <li>- Buckets</li> <li>- Wooden boxes</li> <li>- Used tyres</li> <li>- Baskets</li> </ul>	Short answers, project, group discussions	
5	1		<b>Water Conservation In Farming</b>	By the end of the sub strand the learner should be able to: a) Carry out drip irrigation to water plants b) Describe drip irrigation as a way of conserving water c) Appreciate use of drip irrigation in conserving water in farming.	What are the different ways drip irrigation is used to conserve water in farming?	<ul style="list-style-type: none"> <li>• Learners watch a video clip on irrigation of crops through drip irrigation.</li> <li>• In groups, learners to carry out drip irrigation in school using bottles.</li> <li>• In groups, learners to carry out drip irrigation in the school using a 5 to 10 metre long perforated plastic pipe.</li> </ul>	Assorted containers <ul style="list-style-type: none"> <li>- Bottles</li> <li>- Jerricans</li> <li>- Buckets</li> <li>- Wooden boxes</li> <li>- Used tyres</li> <li>- Baskets</li> </ul>	Short answers, project, group discussions	
	2		<b>Water Conservation In Farming</b>		What are the different ways drip irrigation is used to conserve water in farming?	<ul style="list-style-type: none"> <li>• Learners visit nearby farms and explore the use of drip irrigation method.</li> <li>• In groups, learners discuss meaning and innovative ways of drip irrigation for conserving water</li> <li>• Learners to innovate and use drip irrigation in gardening practices at home</li> </ul>	Assorted containers <ul style="list-style-type: none"> <li>- Bottles</li> <li>- Jerricans</li> <li>- Buckets</li> <li>- Wooden boxes</li> <li>- Used tyres</li> <li>- Baskets</li> </ul>	Short answers, project, group discussions	
	3		<b>Living Better With Wild Animals</b>	By the end of the sub strand the learner should be able to: a) Identify small wild animals that destroy crops and domestic animals b) Explain damages caused by small wild animals in the farm		<ul style="list-style-type: none"> <li>• In pairs, learners to brainstorm and share experiences on small wild animals such as <i>birds, squirrels, monkeys, mongoose and moles</i> that destroy crops and domestic animals.</li> <li>• Learners to watch a video clip or listen to a resource person on small wild animals such as birds, squirrels, monkeys, mongoose and moles and the damages they cause on crops and domestic animals.</li> </ul>		Short answers, project, group discussions	

6	1		<b>Living Better With Wild Animals</b>					Short answers, project, group discussions	
	2		<b>Living Better With Wild Animals</b>					Short answers, project, group discussions	
	3		<b>Living Better With Wild Animals</b>				Resource persons-specialized or skilled persons in assorted topical areas	Short answers, project, group discussions	
7	1		<b>Living Better With Wild Animals</b>					Short answers, project, group discussions	
	2		<b>Living Better With Wild Animals</b>					Short answers, project, group discussions	
	3		<b>Living Better With Wild Animals</b>					Short answers, project, group discussions	
8	1		<b>Fruit Seed Collection</b>					Short answers, project, group discussions	

	2		<b>Fruit Seed Collection</b>	By the end of the sub strand the learner should be able to: a) Identify places where fruit tree seeds could be obtained b) Collect fruit tree seeds from the local environment.	Where could we collect fruit seeds?	<ul style="list-style-type: none"> <li>In groups, learners to suggest various places where seeds of fruit trees such as <i>guava</i> and <i>tree tomato</i> could be obtained.</li> <li>With help of the parents or guardians learners to collect seeds of fruits such as <i>guava</i> and <i>tree tomato</i>.</li> </ul>	Assorted fruits <ul style="list-style-type: none"> <li>Guava</li> <li>Tree tomato</li> </ul>	Short answers, project, group discussions	
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9	1		<b>Fruit Seed Preparation</b>	By the end of the sub strand the learner should be able to: a) Prepare fruit seeds for planting b) Appreciate the importance of preparing seeds for planting.	How are fruit seeds prepared for planting?	<ul style="list-style-type: none"> <li>Learners to extract seeds from the fruits such as <i>guava</i> and <i>tree tomato</i> using appropriate means</li> <li>Learners clean the extracted seeds in water.</li> </ul>	Assorted fruits <ul style="list-style-type: none"> <li>Guava</li> <li>Tree tomato</li> </ul>	Short answers, project, group discussions	
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	3		<b>Fruit Seed Preparation</b>	By the end of the sub strand the learner should be able to: a) Prepare fruit seeds for planting b) Appreciate the importance of preparing seeds for planting.	How are fruit seeds prepared for planting?	<ul style="list-style-type: none"> <li>Learners sort bad seeds for disposal and retain the good seeds.</li> <li>Learners appropriately sun-dry the good clean seeds and protect them from birds.</li> </ul>	Assorted fruits <ul style="list-style-type: none"> <li>Guava</li> <li>Tree tomato</li> </ul>	Short answers, project, group discussions	
10	1		<b>Fruit Seed Preparation</b>	By the end of the sub strand the learner should be able to: a) Prepare fruit seeds for planting b) Appreciate the importance of preparing seeds for planting.	How are fruit seeds prepared for planting?	<ul style="list-style-type: none"> <li>Learners sort bad seeds for disposal and retain the good seeds.</li> <li>Learners appropriately sun-dry the good clean seeds and protect them from birds.</li> </ul>	Assorted fruits <ul style="list-style-type: none"> <li>Guava</li> <li>Tree tomato</li> </ul>	Short answers, project, group discussions	
	2		<b>Fruit Tree Nursery Bed</b>	By the end of the sub strand the learner should be able to: a) Prepare a nursery bed for establishing fruit seedlings b) Sow seeds into a nursery bed c) Manage a fruit tree nursery bed up to transplanting	How are fruit seeds established in a nursery?	<ul style="list-style-type: none"> <li>In groups, learners to select a suitable site for establishing the fruit tree nursery bed (<i>container nursery or ground nursery bed</i>).</li> <li>In groups, learners to prepare and set up the nursery bed.</li> </ul>	Assorted farm tools and equipment <ul style="list-style-type: none"> <li>Panga</li> <li>Rake</li> <li>Jembe</li> <li>Slasher</li> <li>Spade</li> </ul>	Short answers, project, group discussions	

	3		<b>Fruit Tree Nursery Bed</b>	<p>By the end of the sub strand the learner should be able to:</p> <p>a) Prepare a nursery bed for establishing fruit seedlings</p> <p>b) Sow seeds into a nursery bed</p> <p>c) Manage a fruit tree nursery bed up to transplanting</p>	How are fruit seeds established in a nursery?	<ul style="list-style-type: none"> <li>▪ In groups, learners to select a suitable site for establishing the fruit tree nursery bed (container nursery or ground nursery bed).</li> <li>▪ In groups, learners to prepare and set up the nursery bed.</li> </ul>	Assorted farm tools and equipment <ul style="list-style-type: none"> <li>- Panga</li> <li>- Rake</li> <li>- Jembe</li> <li>- Slasher</li> <li>- Spade</li> </ul>	Short answers, project, group discussions	
<b>11-14</b> <b>Revision and End of Term</b> <b>Assessment and Closing</b>									

