MOUNTAIN TOP AGRICULTURE ACTIVITIES. GRADE 5 SCHEMES OF WORK TERM 2

W k	L s n	Strand/T h eme	Sub strand	Specific learning outcomes	Key inquiry Question	Learning experiences	Learnin g Resource	Assessment methods	Refl
1	1	CONSERVI N G OUR ENVIRONM ENT	Planting- raising climbing fruits from cuttings	By the end of the sub strand the learner should be able to a. Prepare planting materials for establishing climbing fruits In the school or at home b. Establish planting materials for climbing fruits on suitable site. c. Raise climbing fruit seedlings from cuttings d. Appreciate the importance of fruits in promoting good health	How can we prepare planting materials for climbing fruit plants? How are climbing fruit plants established?	 In groups, learners to prepare suitable planting materials for climbing fruit plants such as to various varieties of passion fruits, grapes, kiwi and berries. Learners to plant the selected planting materials on suitably prepared site. The site could be on the ground or appropriate container on a plot or along the fence 	 Pictures Photos cuttings Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 36-37 MTP Agriculture Grade 5 TG. Pg. 76-77 	 Oral question s Written quizzes Observation 	
	2		How to Care for young climbing fruit plants	By the end of the sub strand the learner should be able to a. Protect young climbing fruit plants from excessive sun heat and physical damage. b. Explain how to care for climbing fruits from excessive sun heat and physical damage c. Appreciate the importance of fruits in promoting good health	How can we take care of climbing fruit plants after planting?	 In groups, learners construct shades to protect young fruit plants from damages. Learners to engage their parents or guardians and the community members in growing climbing fruit plants. 	 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.38-40 MTP Agriculture Grade 5 TG. Pg. 78-79 	 Oral question s Written quizzes Observation 	

	3		How to Care for young climbing fruit plants	By the end of the sub strand the learner should be able to a. Protect young climbing fruit plants from excessive sun heat and physical damage. b. Explain how to care for climbing fruits from	How can we take care of climbing fruit plants after planting?	 In groups, learners construct shades to protect young fruit plants from damages. Learners to engage their parents or guardians and the community members 	 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 38-40 	 Oral question s Written quizzes Observation 	
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2	1	How to	excessive sun heat and physical damage c. Appreciate the importance of fruits in promoting good health By the end of the sub strand	How can we take	in growing climbing fruit plants. - Learner to use	 MTP Agriculture Grade 5 TG. Pg. 78-79 Pictures 	• Oral
2		Care for young climbing fruit plants	the learner should be able to a. Support climbing fruit vines using appropriate materials b. Discuss ways of supporting climbing fruit vines c. Appreciate the importance of fruits in promoting good health	care of climbing fruit plants after planting?	appropriate materials to support the climbing fruit vines. - Learners to engage their parents or guardians and the community members in growing climbing fruit plants.	 Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 38-40 MTP Agriculture 	question s • Written quizzes • Observation
	2	How to Care for young climbing fruit plants	By the end of the sub strand the learner should be able to a. Water the young fruit plants on the established site. b. Protect the young climbing fruit crops from weeds. c. Appreciate the importance of fruits in promoting good health	How can we take care of climbing fruit plants after planting?	 In groups, learners water the young fruit plants. Learners to apply manure and fertilizer to fruit plants. Learners to weed for the fruit plants. 	 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 38-40 MTP Agriculture Grade 5 TG. Pg. 78-79 	 Oral question s Written quizzes Observation
	3	How to Care for young climbing fruit plants	By the end of the sub strand the learner should be able to a. Apply manure and fertilizer to the established climbing fruit plants. b. Protect the young climbing fruit crops from weeds. c. Appreciate the importance of fruits in promoting good health	How can we take care of climbing fruit plants after planting?	 In groups, learners water the young fruit plants. Learners to apply manure and fertilizer to fruit plants. Learners to weed for the fruit plants. 	 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 38-40 MTP Agriculture Grade 5 TG. Pg. 78-79 	 Oral question s Written quizzes Observation

3	1	Conse o proj Mana climi fruit p identi	ect: ging oing ants-	By the end of the sub strand the learner should be able to a. Identify project activities for managing climbing fruits b. Explain the requirements of the project.	What activities are carried out in the management of climbing fruit plants?	-	In groups, learners to take care of the established climbing fruit plants by carrying out appropriate activities such as protective shade around the fruit plants, watering,	•	Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.41	•	Oral question s Written quizzes Observation		
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	the project activities	c. Appreciate the importance of caring for climbing fruits plants	When are fruits ready for harvesting? How are fruits from climbing fruit plants harvested?	manuring, removing excess branches and training the fruit plant.	•	MTP Agriculture Grade 5 TG. Pg. 82			
2	identifyin g the project activities	By the end of the sub strand the learner should be able to a. Identify project activities for managing climbing fruits b. Explain the requirements of the project. c. Appreciate the importance of caring for climbing fruits plants	What activities are carried out in the management of climbing fruit plants? When are fruits ready for harvesting? How are fruits from climbing fruit plants harvested?	- In groups, learners to take care of the established climbing fruit plants by carrying out appropriate activities such as protective shade around the fruit plants, watering, manuring, removing excess branches and training the fruit plant.	•	Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.41 MTP Agriculture Grade 5 TG. Pg. 82	•	Oral question s Written quizzes Observation	
3	Making a project schedule	By the end of the sub strand the learner should be able to a. Identify project activities for managing climbing fruits b. Make a project duty schedule with responsibility for each schedule c. Appreciate the importance of caring for climbing fruits plants	What activities are carried out in the management of climbing fruit plants? When are fruits ready for harvesting? How are fruits from climbing fruit plants harvested?	 In groups, learners to take care of the established climbing fruit plants by carrying out appropriate activities such as protective shade around the fruit plants, watering, manuring, removing excess branches and training the fruit plant. In groups learners to make a projects schedule to undertake the identified activity 	•	Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.42 MTP Agriculture Grade 5 TG. Pg. 82-83	•	Oral question s Written quizzes Observation	

4	1	Making a project schedule	By the end of the sub strand the learner should be able to a. Identify project activities for managing climbing fruits b. Make a project duty schedule with responsibility for each schedule	What activities are carried out in the management of climbing fruit plants? When are fruits ready for harvesting?	- In groups, learners to take care of the established climbing fruit plants by carrying out appropriate activities such as protective shade around the fruit plants, watering, manuring, removing excess branches and training the fruit plant.	 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.42 MTP Agriculture Grade 5 TG. Pg. 82-83 	 Oral question s Written quizzes Observation 	
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		c. Appreciate the importance of caring for climbing fruits plants	How are fruits from climbing fruit plants harvested?	- In groups learners to make a projects schedule to undertake the identified activity			
2	Identifying the right stage of harvesting g climbing fruits	By the end of the sub strand the learner should be able to a. Care for climbing fruit plants in the environment. b. Identify right stage for harvesting climbing fruits to avoid wastage c. Appreciate the importance of caring for climbing fruits plants	What activities are carried out in the management of climbing fruit plants? When are fruits ready for harvesting? How are fruits from climbing fruit plants harvested?	 In groups, learners share experiences on how to identify a mature fruit of climbing fruit plants. 	 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.43-43 MTP Agriculture Grade 5 TG. Pg. 85-86 	 Oral question s Written quizzes Observation 	
3	Identifying the right stage of harvesting g climbing fruits	By the end of the sub strand the learner should be able to a. Care for climbing fruit plants in the environment. b. Identify right stage for harvesting climbing fruits to avoid wastage c. Appreciate the importance of caring for climbing fruits plants	What activities are carried out in the management of climbing fruit plants? When are fruits ready for harvesting? How are fruits from climbing fruit plants harvested?	 In groups, learners share experiences on how to identify a mature fruit of climbing fruit plants. 	 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.43-43 MTP Agriculture Grade 5 TG. Pg. 85-86 	 Oral question s Written quizzes Observation 	

5	1		Harvesting fruits from climbing plants	By the end of the sub strand the learner should be able to a. Identify right stage for harvesting climbing fruits to avoid wastage b. Harvest fruits appropriately to reduce damages c. Appreciate the importance of caring for climbing fruits plants	What activities are carried out in the management of climbing fruit plants? When are fruits ready for harvesting? How are fruits from climbing fruit plants harvested?	 In groups, learners to carry out harvesting of climbing fruits. Learners to assist parents or guardians in the activities for caring for climbing fruit crops at home. 	 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 45 MTP Agriculture Grade 5 TG. Pg. 87-88 	 Oral question s Written quizzes Observation 	
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	2		Harvesting fruits from climbing plants	By the end of the sub strand the learner should be able to a. Identify right stage for harvesting climbing fruits to avoid wastage b. Harvest fruits appropriately to reduce damages c. Appreciate the importance of caring for climbing fruits plants	What activities are carried out in the management of climbing fruit plants? When are fruits ready for harvesting? How are fruits from climbing fruit plants harvested?	 In groups, learners to carry out harvesting of climbing fruits. Learners to assist parents or guardians in the activities for caring for climbing fruit crops at home. 	 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 45 MTP Agriculture Grade 5 TG. Pg. 87-88 	 Oral question s Written quizzes Observation 	
	3		Importance of fruits	By the end of the sub strand the learner should be able to a. Harvest fruits appropriately to reduce damages b. Watch a video clip on how to harvest fruits c. Demonstrate understanding of the importance of consuming fruits for nutrition	What activities are carried out in the management of climbing fruit plants? When are fruits ready for harvesting? How are fruits from climbing fruit plants harvested?	- In groups learners to discuss the importance of fruits	 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 45-46 MTP Agriculture Grade 5 TG. Pg. 88-89 	 Oral question s Written quizzes Observation 	
6	1	DOMESTI C ANIMALS	Uses of domestic animals – identifyin g various domestic animals	By the end of the sub strand the learner should be able to a. Identify the uses of various domestic animals to human beings. b. Draw and colour various domestic animals c. Appreciate the importance of domestic animals to human beings	How are domestic animals important to human beings?	- In pairs learners to brainstorm and share experiences on the uses of domestic animals (bees, rabbits, camels, fish, pigs, donkeys, dogs, cats and horses)	 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 47-49 MTP Agriculture Grade 5 TG. Pg. 90 	 Oral question s Written quizzes Observation 	

	2	Relating animals to their uses	By the end of the sub strand the learner should be able to a. Identify and name various domestic animals b. Relate various domestic animals to their uses. c. Appreciate the importance of domestic animals to human beings	How are domestic animals important to human beings?	-	In groups, learners to match domestic animals to their uses. Learners to watch video clips on various types of domestic animals and their use. Learners visit the neighboring farms to	•	Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.49-52	•	Oral question s Written quizzes Observation		
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						explore various uses of domestic animals.	• MTP Agriculture Grade 5 TG. Pg.		
	3		Animal welfare	By the end of the sub strand the learner should be able to a. Care and love domestic animals b. Create awareness on the rights of domestic animals in the locality c. Appreciate the importance of domestic animals to human beings	How are domestic animals important to human beings?	 Learners visit the neighboring farms to explore various uses of domestic animals. Learners to care and love domestic animals 	 91-92 Pictures Photos Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 52-54 MTP Agriculture Grade 5 TG. Pg. 93-95 	 Oral question s Written quizzes Observation 	
7	1	GARDENI N G PRACTICE S	Indigenous food crops — identifying types of indigenous crops	By the end of the sub strand the learner should be able to a. Give the meaning of indigenous food crops in the community. b. Identify types of indigenous food crops grown in Kenya c. Demonstrate understanding of the importance of indigenous food crops to nutrition, health and food security	What types of indigenous crops are found in the community? Why are indigenous crops important?	 In pairs, learners brainstorm on the meaning and importance of indigenous food crops. In groups, learners to brainstorm and share experiences on types of indigenous food crops (indigenous rood crops (indigenous vegetables such as pigweeds and black night shade, indigenous cereals such as millet and sorghum and indigenous root crops such as yams and cassava). 	 Pictures Photos Realia Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 56-58 MTP Agriculture Grade 5 TG. Pg. 98-99 	 Oral question s Written quizzes Observation 	
	2		identifying types of indigenous crops	By the end of the sub strand the learner should be able to a. Give the meaning of indigenous food crops in the community. b. Identify types of indigenous food crops grown in Kenya c. Demonstrate understanding of the importance of indigenous food crops to nutrition,	What types of indigenous crops are found in the community? Why are indigenous crops important?	- Learners visit the neighboring environment to identify the various indigenous food crops (vegetables, cereals and root crops)	 Pictures Photos Realia Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 56-58 MTP Agriculture Grade 5 TG. Pg. 98-99 	 Oral question s Written quizzes Observation 	

		health and food security					
3	0,	By the end of the sub strand the learner should be able to	What types of indigenous crops are	- In groups, learners to brainstorm and share experiences on types of	PicturesPhotosRealia	Oral question s	

		indigenous food crops	 a. Identify types of indigenous food crops grown in Kenya b. Use flash cards to identify indigenous food crops c. Demonstrate understanding of the importance of indigenous food crops to nutrition, health and food security 	found in the community? Why are indigenous crops important?	indigenous food crops (indigenous vegetables such as pigweeds and black night shade, indigenous cereals such as millet and sorghum and indigenous root crops such as yams	 Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.58-59 MTP Agriculture Grade 5 TG. Pg. 101 	Written quizzesObservation	
8	1	Role play	By the end of the sub strand the learner should be able to a. Role play the importance of indigenous food crops In the community b. Name the types of indigenous crops found in the community c. Demonstrate understanding of the importance of indigenous food crops to nutrition, health and food security	What types of indigenous crops are found in the community? Why are indigenous crops important?	- In groups, learners to brainstorm and share experiences on types of indigenous food crops (indigenous vegetables such as pigweeds and black night shade, indigenous cereals such as millet and sorghum and indigenous root crops such as yams	 Pictures Photos Realia Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.60-61 MTP Agriculture Grade 5 TG. Pg. 101-102 	 Oral question s Written quizzes Observation 	
	2	Exploring indigenous food crops in our neighbour h ood	By the end of the sub strand	What types of indigenous crops are found in the community? Why are indigenous crops important?	- In groups, learners to brainstorm and share experiences on types of indigenous food crops (indigenous vegetables such as pigweeds and black night shade, indigenous cereals such as millet and sorghum and indigenous root crops such as yams	 Pictures Photos Realia Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.61-62 MTP Agriculture Grade 5 TG. Pg. 102-103 	 Oral question s Written quizzes Observation 	

3	Exploring	By the end of the sub strand	What types of	- In groups, learners to	 Pictures 	• Oral
	indigenous food crops in our neighbour h ood	the learner should be able to a. Give the meaning of indigenous food crops in the community. b. Explore the various indigenous food crops in their locality	indigenous crops are found in the community? Why are indigenous crops important?	brainstorm and share experiences on types of indigenous food crops (indigenous vegetables such as pigweeds and black night shade, indigenous cereals such as millet and sorghum	 Photos Realia Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.61-62 	question s Written quizzes Observation

9	1	Exploring indigenous food crops in our neighbour h ood	c. Demonstrate understanding of the importance of indigenous food crops to nutrition, health and food security By the end of the sub strand the learner should be able to a. Give the meaning of indigenous food crops in the community. b. Explore the various indigenous food crops in their locality c. Demonstrate understanding of the importance of indigenous food crops to nutrition, health and food security	What types of indigenous crops are found in the community? Why are indigenous crops important?	and indigenous root crops such as yams - In groups, learners to brainstorm and share experiences on types of indigenous food crops (indigenous vegetables such as pigweeds and black night shade, indigenous cereals such as millet and sorghum and indigenous root crops such as yams	 MTP Agriculture Grade 5 TG. Pg. 102-103 Pictures Photos Realia Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg. 61-62 MTP Agriculture Grade 5 TG. Pg. 102-103 	 Oral question s Written quizzes Observation 	
	2	Preserving and mounting parts of indigenous food plants for display	By the end of the sub strand the learner should be able to a. Identify ways of preserving indigenous food plants b. Display various types of indigenous food crops for identification purposes. c. Demonstrate understanding of the importance of indigenous food crops to nutrition, health and food security	What types of indigenous crops are found in the community? Why are indigenous crops important?	- Learner to collect, preserve and mount identifiable parts such as leaf specimen of various indigenous food crops on manila paper such as indigenous vegetables: pigweed, pumpkin, black night shade, spider weed: indigenous cereals: millet, sorghum and Indigenous root crops: cassava, yams, sweet potato, arrow roots	 Pictures Photos Realia Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.62-64 MTP Agriculture Grade 5 TG. Pg. 103-105 	 Oral question s Written quizzes Observation 	

3	Preserving and mounting parts of indigenous food plants for display	By the end of the sub strand the learner should be able to a. Identify ways of preserving indigenous food plants b. Display various types of indigenous food crops for identification purposes. c. Demonstrate understanding of the importance of indigenous food crops to nutrition,	What types of indigenous crops are found in the community? Why are indigenous crops important?	- Learner to collect, preserve and mount identifiable parts such as leaf specimen of various indigenous food crops on manila paper such as indigenous vegetables: pigweed, pumpkin, black night shade, spider weed: indigenous cereals: millet, sorghum and Indigenous root crops:	•	Pictures Photos Realia Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.62-64 MTP Agriculture Grade 5 TG. Pg. 103-105	•	Oral question s Written quizzes Observation	
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					cassava, yams, sweet			
10	1	Vegetable Gardening Practices- preparing a nursery bed	By the end of the sub strand the learner should be able to a. Identify gardening practices for vegetables. b. Establish a nursery bed for vegetables c. Appreciate the importance of growing vegetable for nutrition and food security.	What are the gardening practices for vegetables? Why should we grow vegetables?	potato, arrow roots. Learners watch a video clips on how to prepare nursery bed and sow vegetables seeds into the nursery bed.	 Pictures Photos Realia Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.67-70 MTP Agriculture Grade 5 TG. Pg. 110-111 	 Oral question s Written quizzes Observation 	
	2	preparing a nursery bed	By the end of the sub strand the learner should be able to a. Identify gardening practices for vegetables. b. Establish a nursery bed for vegetables c. Appreciate the importance of growing vegetable for nutrition and food security.	What are the gardening practices for vegetables? Why should we grow vegetables?	- Learners watch a video clips on how to prepare nursery bed and sow vegetables seeds into the nursery bed.	 Pictures Photos Realia Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.67-70 MTP Agriculture Grade 5 TG. Pg. 110-111 	 Oral question s Written quizzes Observation 	
	3	Sowing seeds on a nursery bed	By the end of the sub strand the learner should be able to a. Establish a nursery bed for vegetables b. Demonstrate sowing of seeds on a nursery bed c. Appreciate the importance of growing vegetable for nutrition and food security.	What are the gardening practices for vegetables? Why should we grow vegetables?	- In groups, learners to sow vegetable seeds on the prepared nursery bed.	 Pictures Photos Realia Digital devices Video clips MTP Agriculture Grade 5 Leaners Bk. Pg.70-71 MTP Agriculture Grade 5 TG. Pg. 	 Oral question s Written quizzes Observation 	
11				ASSESSM	IENT			