



SECONDARY ENGAGEMENT PROGRAMME

GRADE: 8

SUBJECT: AGRICULTURAL SCIENCE

WEEK	TOPIC	SUB-TOPIC	CURRICULUM OBJECTIVES	ACTIVITIES
1	Principles and Practices of Cultivation	Factors to be considered in Crop Cultivation	To develop an understanding of the sequential steps to be considered in crop cultivation.	Planting a cash crop
		Selection of Crops	To be aware that several factors must be considered when selecting a crop.	Discussing
		Land Preparation	To know and demonstrate the activities involved in land preparation.	Demonstrating

			To recognize the tools and equipment used in each activity.	Manipulating Identifying
2	Principles and practices of cultivation	Propagation of Crops Sexual reproduction Germination Parts of Seed Asexual Reproduction	<p>To understand the concept of sexual propagation.</p> <p>To develop an understanding of how seeds germinate and the different stages of the germination process.</p> <p>To know the parts of a seed and their functions.</p> <p>To describe each method of propagation.</p> <p>To identify the crops that can be cultivated using these methods.</p> <p>To demonstrate budding and grafting of crops.</p>	<p>Discussing</p> <p>Sowing seeds Observing</p> <p>Drawing and labelling the parts of a seed</p> <p>Watching related video</p> <p>Identifying crops</p>

				Performing Budding and Grafting
3	Principles and Practices in Cultivation	Care and Maintenance of Crops Marketing Harvesting Classifying Harvested Materials	<p>To be aware of the common practices involved in the maintenance of crops.</p> <p>To define marketing and the strategies involved in the process.</p> <p>To define and understand what is harvesting and the methods involved.</p> <p>To classify the different materials harvested from different crop.</p> <p>–</p>	<p>Discussing Group Reporting</p> <p>Defining</p> <p>Discussing</p> <p>Classifying</p> <p>Watching video of various harvesting methods</p>
4	Cultivation of Crops	Cabbage Cultivation Importance of Cabbage Land Preparation	<p>To understand the origin, economic importance, structure of plant and its varieties.</p> <p>To identify the type of land preparation activities necessary for cultivation.</p>	<p>Discussing</p> <p>Identifying land preparation activities</p>

		<p>Pests and Diseases</p> <p>To know and identify the symptoms and signs of the pests and diseases associated with cabbage cultivation.</p> <p>Methods of Harvesting</p> <p>To understand the harvesting methods involved in cabbage cultivation.</p>	<p>Identifying and observing pest and disease samples.</p> <p>Watching video on harvesting of cabbage.</p>
5	Cultivation of Crops	<p>Sweet Potato</p> <p>Importance of Sweet Potato</p> <p>To become familiar with the origin, economic importance, structure of plant and varieties.</p> <p>Land Preparation</p> <p>To identify the type of land preparation activities necessary for cultivation.</p> <p>Pests and Diseases</p> <p>To recognize the signs and symptoms of pests and diseases associated with its cultivation.</p> <p>Harvesting of Sweet Potato</p> <p>To know the harvesting methods involved.</p>	<p>Discussing</p> <p>Watching video on land preparation activities</p> <p>Assignment on Pest and diseases of Sweet Potato</p> <p>Describing</p>

6	Cultivation of Crops	Citrus Importance of Citrus Land Preparation	<p>To understand the origin, economic importance of citrus.</p> <p>To differentiate amongst the varieties.</p> <p>To identify the types of land preparation activities necessary for cultivation.</p>	<p>Explaining</p> <p>Observing and differentiating among the varieties of citrus.</p> <p>Discussing Identifying Completing Worksheet</p>
7	Cultivation of Crops	Propagation of Citrus Selection of Planting Materials	<p>To understand how rootstock are selected for planting.</p> <p>To know how seed are selected and collected for sowing.</p> <p>To be aware of the conditions necessary for seed sowing.</p>	<p>Researching on the propagation methods</p> <p>Explaining Seed Collection Seed Sowing</p> <p>Discussing</p>

		Planting Conditions		
		Selection of Orchard Site	To know what factors must be considered in the selection of orchard site.	Watching video on an Orchard development
8	Cultivation of Crops	Pest and Diseases of Citrus	To identify the signs and symptoms and be aware of the effects of pests and diseases associated with citrus cultivation.	Identifying different pests and diseases Discussing
		Harvesting of Citrus	To understand how and when harvesting is done in citrus	Watching video on harvesting of citrus
9	Cultivation of Crops	Coconut Importance of Coconut	To know the origin and economic importance of plant. To differentiate amongst the varieties of coconut.	Discussing Researching the varieties of coconut
		Structure of the Plant	To become familiar with the parts of the coconut.	

		<p>Land Preparation</p> <p>Pests and Diseases of Coconut</p> <p>Harvesting of Coconut</p>	<p>To identify the type of land preparation activities necessary for cultivation.</p> <p>To recognize signs and symptoms of the pests and diseases associated with its cultivation.</p> <p>To describe harvesting of coconut.</p>	<p>Drawing and labelling the coconut</p> <p>Identifying land preparation activities</p> <p>Watching video on pests and diseases of coconut</p> <p>Describing</p>
10	Manure	<p>Organic manure</p> <p>Importance of Manures</p> <p>Types of Manures</p>	<p>To understand the concept of manure and its importance to plants</p> <p>To know the types of manure and how they are classified.</p> <p>To identify the different types of organic manure.</p>	<p>Defining manures</p> <p>Discussing</p> <p>Identifying the types of manures</p> <p>Collecting of pen manure</p> <p>Making of compost</p> <p>Discussion</p>

		Application of Organic Manure	To be knowledgeable of the effects associated with inappropriate application of organic manure	Applying organic fertilizer
11	Manure	Inorganic Manure Types of Inorganic Manure Importance of Inorganic Manures	To develop an understanding of the types of inorganic manure. To create an awareness of the importance of inorganic manures to crop growth.	Classifying and observing samples of inorganic manure Discussing
12	Manure	Application, Handling and Storage of Inorganic Fertilizers	To understand the different methods used in the application of inorganic fertilizers. To know how to apply inorganic fertilizers. To be aware of the effects of improper handling and storage of inorganic fertilizers.	Experimenting Watching Video on fertilizer application methods Explaining

