



AGRICULTURAL SCIENCE

GRADE: 10

Pacing Guide Week #	Topic	Objectives	Integration Strategy	Resources/Activities
Week #1 January 6-9, 2025	Plant Science	Classify plants according to nature and utilization of products	Collect and examine plants used for Junkanoo costumes including, Thach Palm, Coconut Palm, and Sisal. Collect and examine plants used for making musical instruments (Caracas, drumsticks) used in Junkanoo including, Pine, Bamboo, Mahogany)	Pine trees, Thatch Palm, Coconut Palm, Sisal, Bamboo and Mahogany trees.
Week #2 January 13-17, 2025	Plant Science	Discuss the sustainable harvesting of plants to ensure a constant supply of wood and forest plants. Determine the best techniques to harvest wood and plant materials.	Demonstrate the proper harvesting of wood, branches and leaves to create Junkanoo costumes and instrument.	Harvesting tools, trees
Week #3 January 20-24, 2025	Plant Science	Use preservation techniques to dry or preserve leaves, and wood	Preserve plant material used in Junkanoo.	Plant materials
Week #4 January 27-31, 2025		Create a product using preserved plant material.	Create a junkanoo product.	Plant materials.



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Week #1 January 6-9, 2025	Plant Nursery Operations	Identify and state the use of tools used in propagating plants.	Identify and state the names and use of tools used in propagating plants used in Junkanoo.	Propagation tools
Week #2 January 13-17, 2025	Plant Nursery Operations	Identify and collect tools and materials needed to propagate plants. Harvest seeds and healthy offshoots and prepare seeds for planting.	Collect tools and materials needed to propagate plants used in Junkanoo	Soil, seeds, containers, water, tools for land clearing
Week #3 January 20-24, 2025	Plant Nursery Operations	List factors used to determine planting distance to include root type, tree and plant type.	Plants used in Junkanoo need proper spacing to optimize growth,	Practice measuring planting distance using chart to determine proper spacing.
Week #4 January 27-31, 2025	Plant Nursery Operations	Prepare field for direct planting of seeds and offshoots. Prepare plant pots for propagating plants. Transplant offshoots and plant seeds using proper techniques to measuring distance within and between rows.	Sustainable plant production to sustain the growth of plants used to produce materials for Junkanoo.	Discuss the importance of growing plants to support the building of traditional junkanoo instruments.



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GRADE: 12

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Week #1 January 6-9, 2025	Agricultural Economics	Define the term economics Discuss the economic importance of agriculture in The Bahamas.	State the economic importance of cultivating plants and animals for raw products used in the production of Junkanoo implements, including skins for drums, wood for instruments, flowers and feathers for headpieces and wood for instruments.	Compare predicted performance in terms of expected profits. Discuss how
Week #2 January 13-17, 2025	Agricultural Economics	State the importance of record keeping with specific reference to production and marketing records for crops, livestock and machinery Collect and record data in various farm records.	Practice exercise in elementary farm record keeping including the production and the sale of plants, animal and the raw materials used in Junkanoo.	Complete sample farm record sheets