# **Unit 4 Transport of Essential Resources**

Content Area: Science
Course(s): Horticulture 1
Time Period: December
Length: 8 Blocks
Status: Published

#### **Transfer Skills**

At the end of this unit of instruction students will recognize the materials transported throughout plants and their functions in plants.

## **Enduring Understandings**

Stems are the essential plant organs for the transport of water, nutrients and manufactured sugar.

Stem support the photosynthetic and reproductive organs of plants.

## **Essential Questions**

What determines too much food for a plant?

How do plants (or botanists) determine the right size?

#### **Content**

#### Vocabulary:

Lenticles, bud scale scars, leaf scars, xylem, phloem, dicots, cambium, monocots, vascular bundles, bundle sheath

## **Objectives**

Describe the internal and external structure and function of stems.

	and contrast the structure and function of xylem and phloem.
Examine	the cross section of a tree and identify the growth rings.
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Assessr	ments
	Monitoring Plant transport
Observe	
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by H Edward Reiley, Carroll L Shry

Greenhouse

Planting Materials including soil, water, seeds, Fertilizer.

Tree in Greenhouse