

Course: K

Course Code: 5020010

Quarter: 3

Topic of Study: Plants

Big Ideas: 14. Organization and Development of Living Organisms

Essential Questions: What are plants like? What do plants need? What are some plant parts? How do plants grow and change?

Optional Teacher Background: *ScienceSaurus*-Life Science Section

RESOURCES

SCIENCE CENTER

Vocabulary: tree, shrub, grass, light, air, soil, space to grow, water, leaf, fruit, flower, roots, stem, seeds, flower, seed, sprout, seedling, adult plant

Common Labs:

- *Science Fusion* Inquiry Flipchart “ How are Plants Alike and Different” p. 95
- *Science Fusion* Inquiry Flipchart “Observe a Plant’s Needs” p.6
- *Science Fusion* Inquiry Flipchart “Compare Plant Parts” p. 7
- *Science Fusion* Inquiry Flipchart “Observe Plants Grow” p. 8

Science Songs CD Track: 4, 5, 6

	Technology Links:	
<p>Lab Assistance:</p> <p>Daily Inquiries</p> <p>Body Systems</p>	<p>Science Links:</p> <p>www.Thinkcentral.com</p> <p>Graphic Organizers and Strategies</p>	<p>Online Guides:</p> <p>Above Level</p> <p>On Level</p> <p>Below Level</p>

St. Lucie County Public Schools Scope and Sequence 2012-2013

NGSSS	Content	Objectives
<p>SC.K.L.14.3 Observe plants and animals, describe how they are alike and how they are different in the way they look and in the things they do. Cognitive Complexity: Moderate</p>	<p>What are plants like?</p> <ul style="list-style-type: none"> ▪ Trees ▪ Grasses ▪ Shrubs <p>What do plants need?</p> <ul style="list-style-type: none"> ▪ Light ▪ Air ▪ Soil ▪ Space to grow ▪ Water <p>What are some plant parts?</p> <ul style="list-style-type: none"> ▪ Leaf ▪ Fruit ▪ Flower ▪ Roots ▪ Stem ▪ Seeds <p>How do plants grow and change?</p> <ul style="list-style-type: none"> ▪ Seed ▪ Sprout ▪ Seedling ▪ Young Tree ▪ Adult Tree 	<ul style="list-style-type: none"> ▪ Identify trees, shrubs, and grasses as kinds of plants. ▪ Draw conclusions about kinds of plants. ▪ Observe and describe the sizes and shapes of plants. ▪ Sort plants into groups based on their physical characteristics. ▪ Examine variations among individuals of the same kind of plant. ▪ Recognize that plants need water, air, light, soil, and space to grow. ▪ Observe and compare the growth of plants. ▪ Infer reasons why plants are healthy or not healthy. ▪ Predict the growth of a plant based on whether it is getting what it needs. ▪ Recognize that stems, roots, leaves, flowers, fruits, and seeds are parts of a plants. ▪ Describe how plant parts help a plant live. ▪ Describe the sequence of stages in a plant's life cycle. ▪ Observe stages that are part of the life cycle of a plant, seed, seedling, plant, flower and fruit. ▪ Identify ways that young plants resemble their parent plants.