

Curriculum Map

	Content and Essential Questions	Skills: Students will...	Assessment	Materials/Technology Resources
	<p>Diversity of plants (LS 1,2, 3, 5,6,7,9,10,11)</p> <ul style="list-style-type: none"> • What are the basic needs of plants? • How are plants different from animals? • How does grouping plants by their characteristics help us study them? (flowering vs. non-flowering) • What are the basic structures of a plant and what are their functions? • How does the cycle of life of a plant help us see the development of life? • What characteristics of a plant are inherited and which are caused by climate or environment? • How do plants adapt to season change in order to survive? • How can plants be tested to show the effects of light, gravity and water on the growing seedling • How do plants have an effect on the ecosystem? • What is photosynthesis and how does a plant produce simple sugar from sunlight? • What are producers and consumers as part of a food chain or web? 	<ul style="list-style-type: none"> • recognize that all living things grow, reproduce, and need food, air, water and light to live. • differentiate between plants and animals • compare and contrast plant characteristics such as flowering and non-flowering • learn and draw the root, stem, leaf, flower, bark, wood, seeds of common plants • develop an understanding of the function of each plant part • draw and label plants as they grow through their life cycle of birth, growth, development, reproduction and death • compare the effects of climate on the growth of plants vs. inherited characteristics • learn to recognize special adaptations plants have for surviving seasonal changes • explore ways plants change the ecosystem they live in • learn how sunlight is changed to sugar through photosynthesis • differentiate between producers and consumers as in a food chain or web 	<ul style="list-style-type: none"> • describe, discuss and write about how plants grow, reproduce, and need food, air, water and light to live • demonstrate an understanding of classification of plants based on characteristics • sort and describe how to group a collection of plants • draw or construct scenes depicting plant life cycles accurately • act out the behavior of each stage of a plant life cycle • write and discuss how changes to a pond community effect plants and animals • draw a picture to explain how sunlight becomes sugar due to photosynthesis 	<ul style="list-style-type: none"> • collections and/or pictures of typical plants and their uses • materials for drawing or constructing scenes depicting the types of plants in your area • conduct school yard trips to collect data • construct an environment in a fish tank for growing plants •