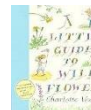




Science - Year 1 PLANTS



National Curriculum Objectives		Sticky Knowledge		Notable Scientists	
<ul style="list-style-type: none">Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.Identify and describe the basic structure of a variety of common flowering plants, including trees.		<ul style="list-style-type: none">Plants grow from seeds/bulbs.Plants need light and water to grow and survive.We can eat lots of plants.Garden plants are plants people choose to grow in their gardens.A wild plant grows where the seed lands. It doesn't need to be planted or cared for.Weeds are wild plants that grow in places people don't want them.When on a walk in the local environment, children can: identify a tree and suggest if it is deciduous or evergreen, locate and name a trunk, branch, leaf, flower, stem, petals and where roots may be found.		 Beatrix Potter (1866-1943) Natural scientist and conservationist	
		Literacy Links		 Professor Monique Simmonds Botanist, biodiversity, research	
		       		 Wangari Maathai (1940-2011) Environmentalist, political activist	
Prior Learning		Future Learning		Key Questions	
In EYFS children should: <ul style="list-style-type: none">Make observations of plants.Know some names of plants, trees and flowers and begin to describe them.Show some care for the world around them		In Year 2 children will: <ul style="list-style-type: none">Observe and describe how seeds and bulbs grow into mature plants.Find out and describe how plants need water, light and warmth to grow and stay healthy.		<ul style="list-style-type: none">What are plants? Which ones can you name? How do you know?Where would you find plants? Why?Are all plants green?Are all the plants the same everywhere you go? Why?What are the similarities and differences between: flowering plants non-flowering plants and trees? Garden, weeds and wild flowers? Deciduous and evergreen trees?What do plants need to grow?How do plants grow?Do all plants need water? Can plants grow as big in the shade?Why do seeds look different?What is the biggest/smallest/smelliest tree/flower/plant on the planet?	
 What amount of water/light grows the tallest sunflower? Which plant grows best in our outdoor area: a garden plant, a wild plant or a weed?	 How does my sunflower change each week? How does a bunch of flowers change over two weeks?	 Do trees with bigger leaves lose their leaves first in autumn? Is there a pattern in where we find moss growing in our school grounds?	 Which trees/plants grow in our local area? How can we sort the leaves we have collected on our walk?	 What are the most common British plants and trees? Where can we find them? How have and do our notable scientists help us understand plants?	 The Big Question What do you know about the plants on our school site?
Our Place In Our World		Language and Oracy		Learning Skills	
<ul style="list-style-type: none">Deforestation in our country and beyond.Projects for replanting trees – The Crown Estate Swinley Forest annual timber harvesting and replanting.Bracknell in Bloom contact.School and home allotments.		<ul style="list-style-type: none">Names of common plants in Britain and why they may have been given these names (look at some of the Latin versions)Should we have cut flowers in shops?Should we cut down trees?		<ul style="list-style-type: none">Children to make an iMovie/slideshow of their sunflower journey, recording their verbal observations and conclusions.Group observation and caring for their plants.Word clouds/displays of plant names in creative ways to aid memory.	
				Healthy Body, Healthy Mind <ul style="list-style-type: none">Discussions about the different plants that we can eat and how they can keep us healthy alongside how some can be poisonous.Discussion about the mindfulness of gardening for people.(Without too much detail) the essential of plants in our environment to breathe.	