






Science Knowledge and Skills Overview – Year One Plants

National Curriculum Objectives		Sticky Knowledge		Key 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 plant, 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 plants and grow in their gardens (tulips, roses, daffodils, fuschia, pansies)Wild plants are not planted, they are self-seeded (e.g. daisies, dandelions, dog roses, nettles, buttercups, clover, ivy).Trees are plants.Some trees can live for thousands of years.Trees help purify the air and provide food and shelter for all sorts of creatures.		Beatrix Potter (Botanist and Natural Scientist) John Ray (Naturalist)					
Links to NHFS core curriculum themes		Vocabulary		Key Questions					
<p>Sustainability – impacts of trees and plants on the planet e.g. flooding caused by fewer green spaces.</p> <p>Aspirations – Farmer, landscape gardener, aspiring to be a better at looking after our environment</p> <p>Equality – not everyone has access to gardens/outdoor spaces.</p>		Seed, bulb, bud, deciduous, evergreen, trunk, stem, roots, flower, petals, leaves, nutrients, sunlight, growth, environment, sturdy, water		<ul style="list-style-type: none">How do plants grow?What do plants need to grow?Do all plants need water?Are all plants green?Why do seeds look different? Can plants grow as big in the shade?					
Prior Learning		Future Learning		Investigation					
In EYFS children should: <ul style="list-style-type: none">Make observations of plants.Know some name 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 and mature into plants.Find out and describe how plants need water, light and warmth to grow and stay healthy.		Planting potatoes and sunflowers (see enquiry below)					
 <p>Which type of compost grows the tallest sunflower? Which variety of potato grows best?</p>		 <p>How can we sort the leaves that we collected on our walk? How many plants can we identify in our school grounds?</p>		 <p>How does a daffodil bulb change over the year? How does my sunflower change each week?</p>		 <p>Do trees with bigger leaves lose their leaves first in autumn? If there a pattern in where we find moss growing in the school grounds?</p>		 <p>What are the most common British plants and where can we find them? How did Beatrix Potter help our understanding of mushrooms and toadstools?</p>	

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