



Year 2: Plants



Kindness Enjoyment Achievement

<p><u>Key Concepts:</u> Plants may grow from either seeds or bulbs. These then germinate and grow into seedlings which then continue to grow into mature plants. These mature plants may have flowers which then develop into seeds, berries, fruits, etc. Seeds and bulbs need to be planted outside at particular times of the year and they will germinate and grow at different rates. Describe how plants they have grown from seeds and bulbs have developed over time. Some plants are better suited to growing in full sun and some grow better in partial or full shade-name at least one plant that prefers sun/shade. Plants also need different amounts of water and space to grow well and to stay healthy.</p>	<p><u>Types of Enquiry:</u> <u>Sorting and classifying:</u> How can we identify the trees and plants in our orchard? <u>Fair/ comparative test:</u> Do cress seeds grow better inside or outside? <u>Use of secondary sources:</u> How does a cactus survive in habitats with little water? Research when and where to plant seeds and bulbs. <u>Change over time:</u> Describe and record how seeds and bulbs change over time. What happens to my bean after I plant it? <u>Pattern seeking:</u> Do bigger seeds grow into bigger plants?</p>	<p><u>Vocabulary:</u> Seed, bulb. Fruit Shade Light, sun Warm, Cool Water Grow healthy</p>
	<p><u>Working scientifically skills:</u> <u>Questioning:</u> <u>Observing:</u> Make close observations of seeds and bulbs. Make close observations and measurements of their plants growing. Make comparisons between plants as they grow. <u>Identify and classify</u> Classify seeds and bulbs. <u>Recording:</u> Draw pictures/ photos, mini books to show change over time.</p>	<p><u>How it fits in with the rest of the curriculum:</u> Y1: 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 (roots, stem/ trunk, branches, flowers)</p>



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	<p><u>Communicating:</u> Ask and answer questions orally and in writing.</p>	<p>Y3: identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. Explore the requirements of plants for life and growth: air, light, water, nutrients from the soil and room to grow, and how they vary from plant to plant. Explore the part the flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. Y5: Sexual and asexual reproduction of plants.</p>
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