

# Plants

Year Group	Unit	Key Knowledge	Key Vocabulary
Nursery	The World Around Us	<b>Development Matters – 3 &amp; 4 Year olds</b> <ul style="list-style-type: none"> <li>Plant seeds and care for growing plants.</li> <li>Understand the key features of the life cycle of a plant and an animal.</li> <li>Begin to understand the need to respect and care for the natural environment and all living things.</li> </ul>	natural, plant, animal, leaves, seeds, conkers, acorns, twigs, bark, shells, feathers, pebbles, stones, same, different, pattern
Reception	The World Around Us	<b>Development Matters – Reception</b> <ul style="list-style-type: none"> <li>Explore the natural world around them.</li> <li>Describe what they see, hear and feel while they are outside.</li> <li>Recognise some environments that are different to the one in which they live.</li> <li>Understand the effect of changing seasons on the natural world around them.</li> </ul> <b>ELG</b> <ul style="list-style-type: none"> <li>Explore the natural world around them, making observations and drawing pictures of animals and plants.</li> <li>Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.</li> <li>Understand some important processes and changes in the natural world around them</li> </ul>	plant, tree, bush, flower, vegetable, herb, weed, animal, names of plants and animals they see, name of a contrasting environment e.g. beach, forest
Y1	In the Garden	<ul style="list-style-type: none"> <li>identify the leaf, root, stem and flower of a plant</li> <li>identify the trunk, branch, roots and leaves of a tree</li> <li>know that plants produce seeds</li> <li>identify differences between plants</li> <li><b>identify and describe the basic structure of a variety of common flowering plants, including trees</b></li> <li>name some common plants</li> <li>name some plants that live in the garden</li> <li>name some plants that live in the wild</li> <li><b>identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</b></li> </ul>	petal, tall, taller, tallest, wild, trunk, similar, different, within, under, next to, soil, blossom, fruit, leaves, branch, bulbs, shrub, alive, vegetables, grass, garden, habitat, deciduous, earth, evergreen, compost, non-living, living, not alive, dead, artificial  Names e.g. daffodil, daisy, sunflower, rose, lavender, tulip, snowdrop, holly, dandelion, oak, beech, chestnut, pine
Y2	Growing Plants	<ul style="list-style-type: none"> <li>know that flowering plants produce seeds which grow into new plants</li> <li>know that some plants have bulbs from which they grow</li> <li>describe what happens to bulbs during the plant cycle as they grow</li> <li>describe what happens to a seed as it grows and develops</li> <li>suggest how to find out about what plants need in order to grow well</li> <li>recognise that plants are living and need water, light and warmth to grow</li> <li>describe differences between plants grown in the light and in the dark</li> <li><b>find out and describe how plants need water, light and a suitable temperature to grow and stay healthy</b></li> <li><i>know that a seed and bulb both contain everything a plant needs to grow</i></li> </ul>	seedling, bulb, buds, shoot, water, sun light, seeds, nuts, fruit stones, warm, grow, temperature, germinate
Y3	Investigating Plants	<ul style="list-style-type: none"> <li>describe why healthy roots and a healthy stem are needed for plants to grow</li> <li>recognise that the leaves of a plant are associated with healthy growth and more specifically nutrition</li> <li>recognise that plants need light, water and warmth and healthy leaves, roots and stems in order to grow well</li> <li>know that water travels from the roots up the stem</li> <li><b>explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant</b></li> <li>know that plants make their own food</li> <li>describe how the stem has a role in support and nutrition (transport of water)</li> <li><b>explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal</b></li> <li>describe why plants need flowers</li> <li>sequence pictures to show the life cycle of a plant</li> <li>describe how pollen and seeds are dispersed</li> <li>explain the role of bees and insects in pollination</li> </ul>	Ground, transport, attract bees, catch sunshine, green, air, nutrients, growth, pollen, pollination, seed formation, seed dispersal, nutrition, support, anchor, reproduction