



## Progression in knowledge

National Curriculum statements in red are from other linked topics.

### Plants

Early learning goal	<p>Communication and Language - Listening, Attention and Understanding</p> <ul style="list-style-type: none"> <li>● Make comments about what they have heard and ask questions to clarify their understanding.</li> </ul> <p>Personal, Social and Emotional Development - Managing Self</p> <ul style="list-style-type: none"> <li>● Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.</li> </ul> <p>Understanding the World - The Natural World</p> <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, including the seasons and changing states of matter</li> </ul>
Year 1	<ul style="list-style-type: none"> <li>● Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.</li> <li>● Identify and describe the basic structure of a variety of common flowering plants, including trees.</li> </ul>
Year 2	<ul style="list-style-type: none"> <li>● Observe and describe how seeds and bulbs grow into mature plants.</li> <li>● Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</li> <li>● Identify and name a variety of plants and animals in their habitats, including microhabitats. (Y2 - Living things and their habitats)</li> </ul>
Year 3	<ul style="list-style-type: none"> <li>● Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.</li> <li>● 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.</li> <li>● Investigate the way in which water is transported within plants.</li> <li>● Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal</li> </ul>
Year 4	<ul style="list-style-type: none"> <li>● Recognise that living things can be grouped in a variety of ways. (Y4 - Living things and their habitats)</li> </ul>

	<ul style="list-style-type: none"> <li>• Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. (Y4 - Living things and their habitats)</li> <li>• Recognise that environments can change and that this can sometimes pose dangers to living things (Y4 - Living things and their habitats)</li> </ul>
Year 5	<ul style="list-style-type: none"> <li>• Describe the life process of reproduction in some plants and animals. (Y5 - Living things and their habitats)</li> </ul>
Year 6	<ul style="list-style-type: none"> <li>• Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals. (Y6 - Living things and their habitats)</li> <li>• Give reasons for classifying plants and animals based on specific characteristics. (Y6 - Living things and their habitats)</li> </ul>
KS3	<ul style="list-style-type: none"> <li>• Reproduction in plants, including flower structure, wind and insect pollination, fertilisation, seed and fruit formation and dispersal, including quantitative investigation of some dispersal mechanisms.</li> </ul>