

		Year 1 Introduction to plants	Year 2 Plant growth	Year 3 Plant reproduction
Scientific knowledge and understanding	Plant structure and function	<p>To know a variety of common plants, and how they differ.</p> <p>To know that deciduous trees lose their leaves seasonally, but evergreen trees do not.</p> <p>To know the basic structure (including leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches, stem) of a variety of common plants, including flowering plants and trees.</p>		<p>To understand the functions of the basic parts of a plant and the relationship between structure and function.</p> <p>To know that water is transported within a plant from the root, through the stem, to the leaves.</p>
	Plant growth and needs	<p>To begin to understand how plants grow and change over time.</p>	<p>To know that seeds and bulbs grow into seedlings by producing roots and shoots.</p> <p>To know that seedlings grow into mature plants by developing parts, that may include stems/trunks, leaves, flowers and fruits.</p> <p>To know that seeds need water to germinate.</p> <p>To know that plants need water, light and a suitable temperature for growth and health.</p>	<p>To know that plants need water, light, air, nutrients/fertilizer and a suitable temperature for growth and health.</p> <p>To understand that the needs for growth and health vary from plant to plant.</p>
	Plant life cycle			<p>To know the life cycle of a plant from seed to mature plant.</p> <p>To know that flowers are the reproductive organ of a plant.</p> <p>To know that the process of pollination is the transfer of pollen to the female (part of the) flower.</p> <p>To know that the process of seed formation is the growth of a seed after pollination/fertilisation.</p> <p>To know some different methods of seed dispersal and the benefits of each.</p>