

Year2				
Topic	Prior Learning	Present learning	Misconceptions	Future learning
<p>Plants</p> <p>National Curriculum</p> <ul style="list-style-type: none"> Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. 	<ul style="list-style-type: none"> Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. (Y1 - Plants) Identify and describe the basic structure of a variety of common flowering plants, including trees. (Y1 - Plants) 	<ul style="list-style-type: none"> Knowledge and Understanding—Seeds -we can eat different parts of plants (leaves, stems, roots, seeds and fruits) - importance of flowers -names of edible seeds and non-edible seeds how do we get cooking oil and which cooking oil is healthy —Plants -plants in the local environment -plants that are suited to their habitat -why leaves are green <p>Investigations:— Seeds</p> <ul style="list-style-type: none"> -plan a fair tests to find out what conditions are essential for seeds to grow -observe different growth of seeds <p>Plants</p> <ul style="list-style-type: none"> -investigate if cress seeds grow quicker outside or inside - investigate if bigger seeds grow into bigger plants <p>Vocabulary</p> <p>Germination trunk seed branch edible non-edible</p> <p>Vocabulary</p> <p>photosynthesis reaction observe warmth</p>	<p>Some children may think:</p> <ul style="list-style-type: none"> plants are not alive as they cannot be seen to move seeds are not alive all plants start out as seeds seeds and bulbs need sunlight to germinate. 	<ul style="list-style-type: none"> Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. (Y3 - Plants) 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. (Y3 - Plants) Investigate the way in which water is transported within plants. (Y3 -Plants) Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. (Y3 - Plants)