

1. identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
2. identify and describe the basic structure of a variety of common flowering plants, including trees
3. observe and describe how seeds and bulbs grow into mature plants
4. find out and describe how plants need water, light and a suitable temperature to grow and stay healthy

	Assessment guidance	Key learning	Key vocabulary
Plants	Shows understanding of a concept using scientific vocabulary correctly	<p>Growing locally there will be a vast array of plants which all have specific names. These can be identified by looking at the key characteristics of the plant. Plants have common parts but they vary between the different types of plants. Some trees keep their leaves all year whilst other trees drop their leaves during autumn and grow them again during spring.</p> <p>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. Some plants are better suited to growing in full sun and some grow better in partial or full shade. Plants also need different amounts of water and space to grow well and stay healthy.</p>	<p>Leaf Flower Blossom Petal Fruit Berry Root Seed Trunk Branch Stem Bark Stalk Bud Evergreen deciduous light shade sun warm cool water grow healthy</p>
	Applying knowledge in familiar related contexts, including a range of enquiries	<p>Make close observations of leaves, seeds, flowers, seed and bulbs Compare two leaves, seeds, flowers etc. Classify leaves, seeds, flowers etc. using a range of characteristics Identify plants by matching them to named images Make observations of how plants change over a period of time When further afield, spot plants that are the same as those in the local area studied regularly, describing the key features that helped them Classify seeds and bulbs Research and plan when and how to plant a range of seeds and bulbs Look after the plants as they grow – weeding, thinning, watering etc. Make close observations and measurements of their plants growing from seeds and bulbs Make comparisons between plants as they grow</p>	

Teaching and Learning sequence – Plants – Spring 2020

Session	Key learning	Activity
1	<ul style="list-style-type: none">• Identify and closely observe plants outside the school building• Predict what plants will look like when they are fully grown	<p>What's Growing Outside?</p> <p>Explore the outdoor area at school and look at plants that are growing. Talk about what they are and what they will look like when they are fully grown. Map out the school garden area and decorate with sketches, facts and labels.</p>
2	<ul style="list-style-type: none">• Understand what a garden is and how varied they are• Understand what a bean and seed need to be able to grow• Predict the outcomes of the bean and seeds and set up a diary to observe the growth over time	<p>Set up a garden centre in the classroom and plant seeds in a jar or bag. Predict what will happen and start to watch them grow. How will you keep your seeds healthy?</p>
3	<ul style="list-style-type: none">• Understand what plants need to be healthy• Know that cress seeds need water and the right temperature to germinate and grow• Predict, and begin to give reasons for, what will happen to the cress in the dark cupboard• Understand what is involved in recording cress growth	<p>Think about the conditions for healthy plant growth and plant your own cress seeds. Record their growth. How long will it take for them to be long enough to eat?</p>
4	<ul style="list-style-type: none">• Understand that there are differences between the bean grown in the classroom and the ones grown in the cupboard• Understand and explain why those differences have occurred• Understand the various functions of the parts of the plant and their importance	<p>Record the growth of the bean and look at how they have developed over the last few weeks. Can you recreate the plant with craft materials? Can you label the parts of the plant?</p>
5	<ul style="list-style-type: none">• Observe the cress growth, talk about what the seed has produced and how the cress plant grew• Understand the differences between the cress in the classroom and that left in the cupboard	<p>Look really closely at the little cress plants and draw what you see. Then pop them into egg sandwiches for an egg and cress snack!</p>