



Topic Title: Plants

Year Group: 1

Academic Year: 2022-2023

Science Intent: To identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. To identify and describe the basic structure of a variety of common flowering plants, including trees

<p>Prior Scientific Learning/Linked Topics:</p> <p>Seasons</p> <p>Weather</p> <p>Senses</p>	<p>Literacy Links (including texts/media used):</p> <p>Jack and the Beanstalk</p> <p>Three Little Pigs</p> <p>Ivy and the Lonely Raincloud</p> <p>Jim and The Beanstalk</p> <p>Writing instructions to care for plants.</p>
<p>Scientific Knowledge</p> <ul style="list-style-type: none"> . Ask simple questions and recognise that they can be answered in different ways . Gather and record data to help in answering questions . Use some simple scientific language . Perform simple tests <p>Gather and record data with some adult support, to help in answering questions.</p>	<p>Working Scientifically</p> <p>Observing and Measuring over time - Observe changes across the 4 seasons, Observe and describe weather associated with the seasons and how day length varies.</p> <p>Identifying, classifying and grouping - Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees, Identify and describe the basic structure of a variety of common flowering plants, including trees</p> <p>Comparative and fair testing (controlled investigations) - Gather and record data with some adult support, to help in answering questions.</p> <p>Research - To begin to use simple secondary sources to find answers. To begin to find information to help me from books and computers with help.</p>



Content: Approach: Problem Solving Skill: Asking Questions Skill: Setting up Tests Skill: Recording Data Approach: Pattern Seeking Skill: Asking Questions Skill: Making Predictions Skill: Observing and Measuring Approach: Observation over time Skill: Evaluating Approach: Identify, grouping and classify

Seasons/Weather:

Lesson 1:

Observe and describe weather associated with the seasons and how day length varies.

Recap of the seasons already taught and the key features/weather associated with these seasons.

Children to draw a picture of things relating to Spring and to label where appropriate.

Skill: Evaluating Skill: Observing and Measuring

Plants

Lesson 2:

Identify and name a variety of common wild and garden plants

Children to look at wild plants, discussion about the plants and how we identify them. Children to go on a wild plant hunt and identify all the plants in our school grounds and then to count how many of each plant they see.

Approach: Identify, grouping and classify Skill: Asking Questions Skill: Recording Data Approach: Pattern Seeking Skill: Observing and Measuring

Lesson 3:

Identify and describe the basic structure of a variety of common flowering plants, including tree.

Recap what we have learnt about flowering plants. Discuss the different parts of a plant and their purpose.

Children to make a 'plant picture' – and label structure of the plant and discuss their purpose. See guidance on Twinkl planning (lesson 5)

Children to plant their own sunflower seed in a clear bag so that they can see the seeds germinate.

Skill: Asking Questions Skill: Evaluating Skill: Observing and Measuring

Lesson 4:

Identify and describe the basic structure of a variety of common flowering plants, including tree.

Recap last lesson on the different parts of a plant and their purposes.

Discuss what a plant needs to grow and why. Discuss how different types of plants live in different climates and how their structures and needs are adapted for this.

Approach: Identify, grouping and classify Skill: Asking Questions



Lesson 5:

Identify and describe the basic structure of a variety of common flowering plants, including tree.

Children to look at flowering plants, discussion about the plants in their gardens.

Discussion about parts of the flowers. Children to label parts of the flower.

Approach: Identify, grouping and classify Skill: Evaluating Approach: Pattern Seeking Skill: Observing and Measuring

Lesson 6:

Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.

Children to look at deciduous/ evergreen trees.

Discussion about trees. Children to go on a walk around the school grounds and try and identify the trees within it.

Approach: Identify, grouping and classify Skill: Observing and Measuring

Key Vocabulary:

leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud, names of trees in the local area, names of garden and wild flowering plants in the local area