

## Key Learning

### Reception:

- Learn new vocabulary
- Use new vocabulary
- Engage in non-fiction books
- Use new vocabulary in different contexts
- Explore the natural world around them.
- Describe what they see, hear and feel whilst outside

### Year 1:

- Use senses to explore and talk about plants.
- Describe what a plant looks like.
- Identify, name and describe the basic structure of common plants, including garden plants and trees, both deciduous and evergreen.

## Year Reception / 1 Science: Plants



### Plants

#### Wild Plants



#### Garden Plants



### Key Scientific Vocabulary

<b>wild plants</b>	A <b>wild plant seed</b> grows where it falls. It doesn't need to be planted or cared for as it grows.
<b>garden plants</b>	<b>Garden plants</b> are plants that people choose to grow in their gardens.
<b>weed</b>	<b>Weeds</b> are <b>wild plants</b> that grow in places where people don't want them.
<b>deciduous</b>	A <b>deciduous</b> tree loses its <b>leaves</b> each year.
<b>evergreen</b>	An <b>evergreen</b> tree keeps its green <b>leaves</b> all year round, even in the winter.

<b>roots</b>	<b>Roots</b> take in water and nutrients from the soil and keep the plant in the ground.
<b>stem</b>	The <b>stem</b> holds the plant up and carries the water and nutrients from the <b>roots</b> to the <b>leaves</b> and <b>flowers</b> .
<b>leaves</b>	<b>Leaves</b> catch sunlight to help the plant to make its own food.
<b>flowers</b>	<b>Flowers</b> attract insects and birds.
<b>petals</b>	<b>Petals</b> are the colourful part of the <b>flower</b> .
<b>fruit</b>	<b>Fruit</b> contains the plant's <b>seeds</b> . Sometimes humans try to grow <b>fruit</b> without <b>seeds</b> because it's easier to eat.
<b>seed</b>	<b>Seeds</b> grow into new plants.
<b>bulb</b>	<b>Bulbs</b> grow into new plants.

## Investigation Questions

- Explore what happens if sunlight and water aren't provided.
- How long do plants take to die if not given what they need?
- Observe plants, draw and separate to find the roots. Stem, petal and leaves.

## Common Misconceptions

Some children may think:

- plants are flowering plants grown in pots with colored petals and leaves and a stem
- trees are not plants
- all leaves are green • all stems are green
- a trunk is not a stem
- blossom is not a flower
- all plants need watering every day

