

Science Knowledge Organiser - Year 1

Unit: What are plants and what do they need to grow?

Key Vocabulary:

bulb	<i>Bulbs</i> are rounded organs that grow underground, forming new plants.
deciduous	<i>Deciduous</i> trees shed their leaves each year.
evergreen	<i>Evergreen</i> trees keep their green leaves all year round, even in the winter.
flowers	<i>Flowers</i> are the seed-bearing parts of a plant, which are usually surrounded by
fruit	<i>Fruit</i> is the sweet and fleshy product of a tree, which contains seeds.
garden plants	<i>Garden plants</i> are plants that people choose to grow in their gardens.
leaves	<i>Leaves</i> catch sunlight to make energy.
petals	<i>Petals</i> are the colourful part of the flower.
roots	<i>Roots</i> attach a plant to the ground and absorb nutrients and water.
stem	<i>Stems</i> hold the plant up and carry the water and nutrients from the roots to the
weed	<i>Weeds</i> are wild plants that grow in places where people don't want them.
wild plants	<i>Wild plant</i> seeds grow where they fall. They don't need to be cared for as they grow.

Science Skills:

- 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.
- Ask simple questions and recognise that they can be answered in different ways.
- Use observations and ideas to suggest answers to questions.

Key Facts:

- Plants need light, water, suitable temperature and air to grow.
- Some plants are **wild plants** and some plants are **garden plants**.
- **Flowers** often have brightly coloured **petals** so that they attract insects.
- All of the different parts of the plant play a part in keeping the plant alive.



seeds



bulbs

Wild Plants



ivy



brambles



dog rose



dandelion



daisy



nettles



buttercup



clover

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Garden Plants



fuchsia



pansy



sweet pea



sunflower



rose



lavender



iris

Trees

cedar



horse chestnut



oak



leaves



flowers



fruit



stem



roots

