

## Willerby Carr Lane Primary School - Science

**Topic: Plants**

**Year: Year 1**

**Strand: Biology**

### What should I already know?

- For plants to grow they need water and light.
- Plants can die
- Some plants are food for us.
- Plants have roots, stem, leaves and flowers
- How to grow cress and bean plants

### What will I know by the end of the unit?

What are the names of some common **garden plants**?

- People may grow plants in their gardens and care for them.
- They may grow **flowering plants** which are beautiful to look at or beans and **seeds** to grow **plants** for food.
- When **plants** are grown for food, this may be called a **herb garden** or **vegetable** patch.



vegetable patch



sunflower



poppy



daffodil

What are the names of some common **wild plants**?

- A **wild plant** will grow by itself.
- It does not need to be cared for.
- If it grows somewhere unwanted, it may be a **weed**.



dandelion



daisy



buttercup

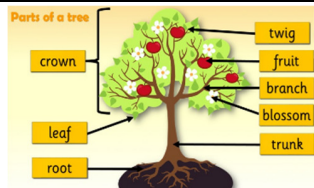
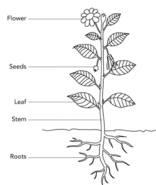


nettle

What are deciduous and evergreen trees?

- **Deciduous trees** lose their **leaves** in the autumn every year. Their **leaves** are generally broad, flat and have veins running through them.
- **Evergreen trees** have green **leaves** all year round. Their **leaves** are generally thick, waxy and narrow like needles.

What are the parts of **common trees and plants**?



### Vocabulary

branches	parts that grow out from the tree trunk and have <b>leaves</b> growing on them
bulb	a root shaped like an onion that grows into a <b>flower</b> or <b>plant</b>
common	something that is found in large numbers or it happens often
crop	<b>plants</b> such as wheat and potatoes that are grown in large quantities for food
deciduous	a <b>tree</b> that loses its leaves in the autumn every year
evergreen	a <b>tree</b> or bush which has green leaves all the year round
flowers	the part of a <b>plant</b> which is often brightly coloured and grows at the end of a <b>stem</b>
flowering	<b>trees</b> or <b>plants</b> which produce flowers
fruit	something which grows on a <b>tree</b> or <b>bush</b> and which contains <b>seeds</b> or a stone covered by a substance that you can eat
garden	a piece of land next to a house, with flowers, vegetables, other plants, and often grass.
herb	A <b>plant</b> whose <b>leaves</b> are used in cooking to add flavour to food, or as a medicine
leaf/ leaves	the parts of a <b>plant</b> that are flat, thin and usually green
petal	thin coloured or white parts which form part of the <b>flower</b>
plant	a living thing that grows in the earth and has a <b>stem, leaves, and roots</b>
roots	The part of a <b>plant</b> that grow underground
seed	the small, hard part from which a new <b>plant</b> grows
stem	The thin, upright part of a <b>plant</b> on which the flowers and leaves grow
tree	a tall <b>plant</b> that has a hard <b>trunk, branches, and leaves</b>
trunk	the large main <b>stem</b> from which the <b>branches</b> grow
vegetable	plants such as cabbages, potatoes, and onions which you can cook and eat
weed	a wild <b>plant</b> that grows in garden and prevents the <b>plants</b> that you want from growing properly
wild	animals or <b>plants</b> that live or grow in natural surroundings and are not looked after by people

### Investigate!

- **Plant** sunflower seeds and watch them grow. Record your observations in a diary and a simple line graph showing its growth
- Go on a **wild plant** hunt! Create a **tally chart** to show how many of each plant you have found and then use the information to answer questions.
- Plant some **garden plants**, care for them and watch them grow.
- Go on a **tree** hunt around the school - what types of trees can you see?
- Collect fallen **leaves** and identify which **tree** they came from using pictures to help you. Sort the **leaves** between **deciduous** and **evergreen** trees.
- Label the parts of a **plant** showing where the **leaves, flowers** (blossom), **petals, fruit, roots, bulb, seed, trunk, branches, and stems** are.

### Common misconceptions

Some children may think:

- plants are flowering plants grown in pots with coloured 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.