

Willerby Carr Lane Primary School - Science

Topic: Plants

Year: EYFS

Strand: Biology

What should I already know?

- Plants grow

What will I know by the end of the unit?

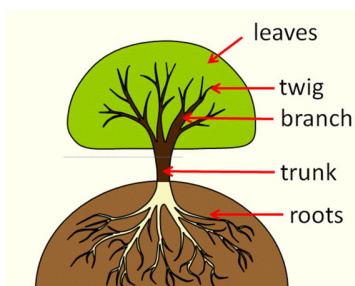
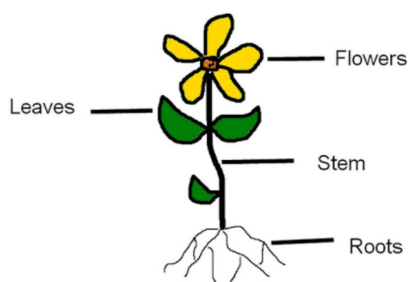
What do **plants** need to grow?

- For plants to grow they need water and light.
- Plants will die if ...
 - They do not have enough water
 - They have too much water
 - They are kept in the dark/do not have enough light
 - If they are pulled up out of the soil or cut (e.g. flowers)
- The roots stop the plant from falling over and they suck up water from the soil.
- Cress grows from seeds. The seed splits open and the shoots and roots start to grow.
- Cress can grow in soil, on sand and on paper, but it grows best on soil.
- Not all of the beans grow at the same rate.

Which **plants** do we eat?

- Some plants are food for us.
- We eat different parts of vegetable plants e.g. carrots, cauliflower, lettuce, potatoes
- We eat many fruits that contain seeds.
- Some plants can make us ill if we eat them (including certain types of berries)
- The cress and the beans that we grow are food.
- Farms grow food for us to eat.

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



Vocabulary

| | |
|--------------|---|
| branches | parts that grow out from the tree trunk and have leaves growing on them |
| crop | plants such as wheat and potatoes that are grown in large quantities for food |
| flowers | the part of a plant which is often brightly coloured and grows at the end of a stem |
| leaf/ leaves | the parts of a plant that are flat, thin and usually green |
| plant | a living thing that grows in the earth and has a stem, leaves, and roots |
| roots | The part of a plant that grow underground |
| seed | the small, hard part from which a new plant grows |
| stem | The thin, upright part of a plant on which the flowers and leaves grow |
| tree | a tall plant that has a hard trunk, branches, and leaves |
| trunk | the large main stem from which the branches grow |
| vegetable | plants such as cabbages, potatoes, and onions which you can cook and eat |

Investigate!

- Grow beans and record your observations in a diary.
- Plant cress seeds in soil, on sand and on paper. Compare the growth of the cress.
- Compare the growth of cress where one of the conditions is different (no water, too much water, in darkness).
- Visit a local forest and observe the trees.
- Tour round the school allotments and see how the Muddy Boots gang are growing vegetables and fruit.
- Visit a local farm and see what crops are grown.

Common misconceptions

Some children may think:

- We only eat leaves of plants
- All berries are safe to eat