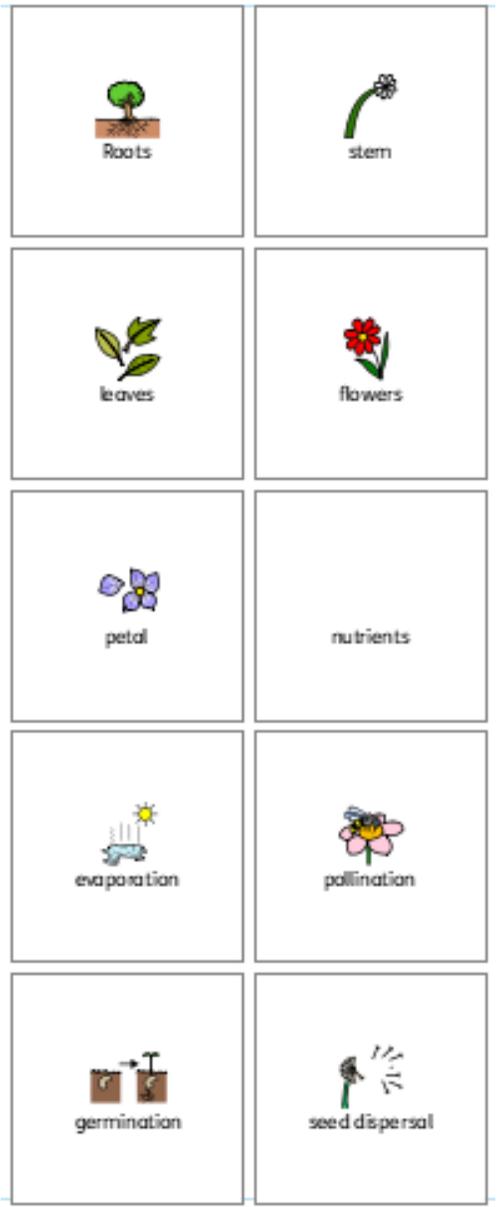


Plants



Roots	These anchor the plant into the ground and absorb water and nutrients from the soil.
Stem	This holds the plant up and carries water and nutrients from the soil to the leaves.
leaves	These make food for the plant using oxygen and carbon dioxide from the air.
flowers	These make seeds to grow into new plants.
Petal	The brightly coloured part of the flower that attracts insects to pollinate the plant.
nutrients	These are needed by living things to grow and survive. A plant gets its nutrients from the soil.
evaporation	When a liquid turns into a gas.
Pollination	When pollen is moved from one plant to another, usually by an insect.
germination	When a seed starts to grow.
Seed dispersal	A method of moving seeds away from the plant so that the seeds have the best chance of survival

The big picture

What I should know.

- Observe and describe how seeds and bulbs grow into mature plants – Y2
- Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy- Y2

What I will find out

- Identify and describe the functions of the different parts of flowering plants.
- Explore the requirements of plants for life and growth.
- Investigate the ways in which water is transported through plants.
- Explore the part that flowers play in the life cycle of flowering plants.

Links to future learning
Describe the life process of reproduction in some plants – Y5

Thinking deeper challenge:

Dissect a flower and label the key parts.

Plants

What are the parts of a plant?

The **flower** makes seeds that grow into new plants.

The **leaves** make food for the plant using oxygen and carbon dioxide from the air.

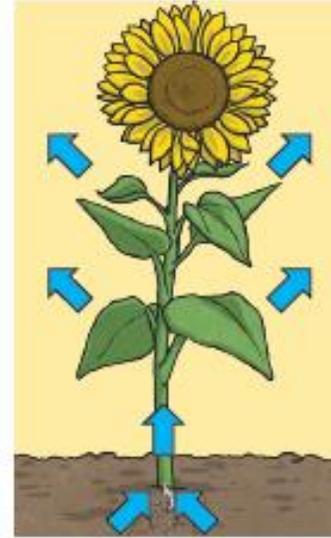
The **stem** holds the plant up and carries water and **nutrients** from the soil.

The **roots** anchor the plant to the ground and absorb water and **nutrients** from the soil.

The **flower's** job is to create seeds so that new plants can be grown.

What does a plant need to grow?

How does water move through a plant?



1. The **roots** absorb water from the soil.
2. The **stem** transports water to the **leaves**.
3. Water **evaporates** from the **leaves**.
4. This **evaporation** causes more water to be sucked up the **stem**.

What Does a Plant Need to Grow?

water	light	food and nutrients from the soil	air	room to grow
-------	-------	---	-----	--------------

Different plants vary in how much of these things they need. For example, cacti can survive in areas with little water, whereas water lilies need to live in water.