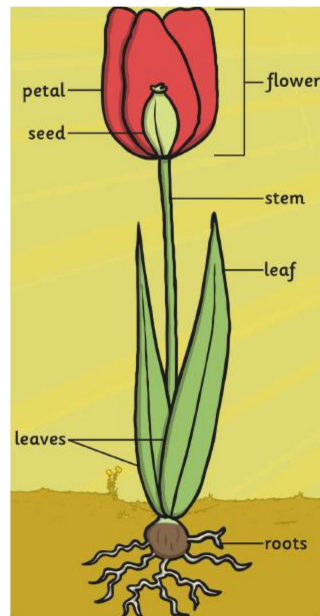


Key Stage 1 - Forest Academy

Knowledge organiser – Plants and Trees

Know how to...

- identify and name a variety of common trees
- perform simple tests
- identify and describe the basic structure of a plant
- identify and name a variety of common flowering plants



Plants require things such as water, warmth, nutrients from soil, light and air (carbon dioxide) to grow. If they do not have one or more of these things, they may stop growing.

Plants can:

- move
- grow
- react to their surroundings (sense)
- absorb nutrients
- reproduce



sunlight



water



nutrients
usually found
in soil

What do plants need to grow healthily?

Key vocabulary

branches	parts that grow out from the tree trunk and have leaves, flowers, or fruit growing on them
bulb	a root shaped like an onion that grows into a flower or plant
deciduous	a tree that loses its leaves in the autumn every year
evergreen	a tree or bush which has green leaves all the year round
flower	the part of a plant which is often brightly coloured and grows at the end of a stem
leaf / leaves	the parts of a tree or plant that are flat, thin, and usually green
petal	thin coloured or white parts which form part of the flower
plant	a living thing that grows in the earth and has a stem, leaves, and roots
roots	the parts of a plant that grow under the ground
seed	the part of a plant that will grow into a new plant/ or shoot
grow	to become bigger
germinate	when a seed forms a small root and/or shoot
produce	to make
reproduce	to make more animals and plants
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
weed	a wild plant that grows in garden and prevents the plants that you want from growing properly

The life cycle of a plant

Growth

-Shoot grows taller and leaves grow from the stalk.

Growth

-Bud forms.

Growth

-Petals open and seeds forms.

Flower

-Seeds drop to the ground.

Seed

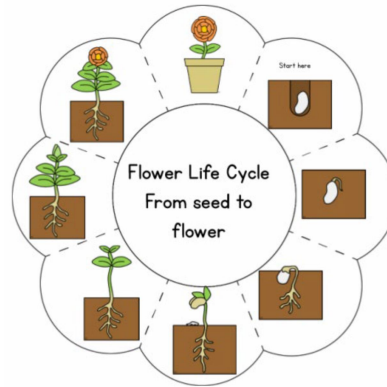
-Needs the right temperature and water to germinate.

Germination

-Absorbs water from the ground until the seed splits.

Growth

-Roots grow down into the soil and shoot grows above the ground.



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.



Sunflower

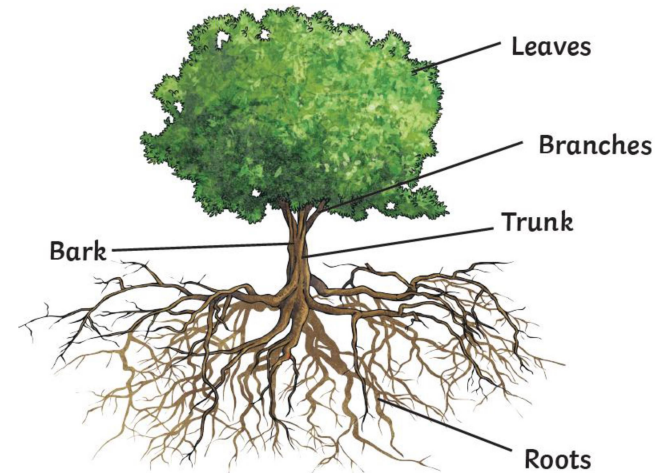


Poppy



Rose

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.



Evergreen



Deciduous