

Prior Learning

- observe and describe how seeds and bulbs grow into mature plants.
- find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.

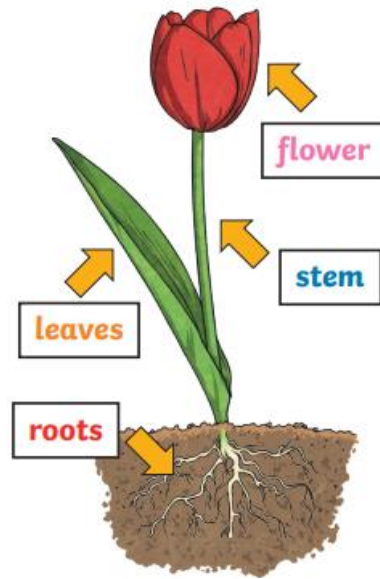
Plants

Knowledge Organiser Y3/4

Vocabulary

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 . A trunk is the stem of a tree.
leaves	These make food for the plant using sunlight and carbon dioxide from the air.
flowers	These make seeds to grow into new plants. Their petals attract pollinators to the plant.
nutrients	These substances are needed by living things to grow and survive. Plants get nutrients from the soil and also make their own food in their leaves .
evaporation	When a liquid turns into a gas.
pollination	When pollen (a fine powdery substance produced by a flowering plant) is moved from the male anther of a flower to the female stigma.
petal	The brightly coloured part of the flower that attracts insects to pollinate the plant.
germination	When a seed starts to grow.
seed dispersal	A method of moving the seeds away from the parent plant so that the seeds have the best chance of survival.

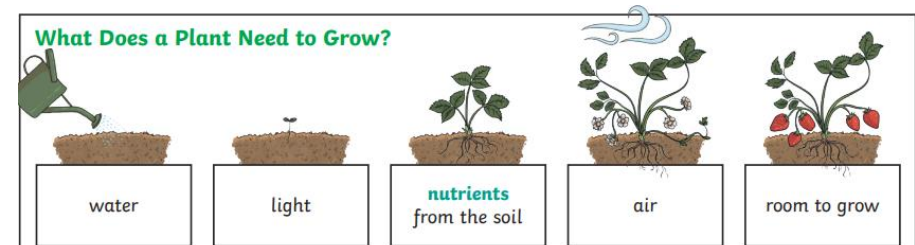
Knowledge



Sequence of Learning

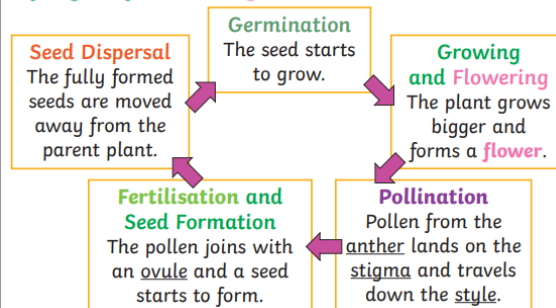
1. Parts of a plant
2. What do plants need to grow?
3. To investigate how water is transported in plants.
4. Parts of a flower – dissection and pollination process.
5. The life cycle of a flowering plant.

What Does a Plant Need 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.

Life Cycle of a Flowering Plant



Seed Dispersal

Seeds can be dispersed by:

