

Science Knowledge Organiser

Southwold Primary School



Topic: Plants

Year: 2

Strand: Biology

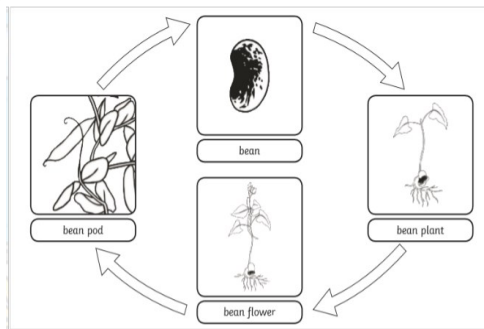
What should I already know?

- The names of a variety of common wild and garden plants, and how to identify them.
- Trees can be deciduous or ever- green.
- How to draw or label the basic structure of flowering plants, including trees (i.e. **leaves**, **flower**, **stem**, branches, **roots**, **seeds**, trunk, **petals**).

What will I know by the end of this unit?

How do plants grow into mature plants?

- Plants need light, water and suitable temperature to grow and stay healthy.
- A fair test can be used to show that plants need light and water to grow and stay healthy.
- Plants germinate, grow and reproduce. This is called the lifecycle of a plant.
- Seeds and bulbs have food stored inside them so they can start growing.



Working Scientifically

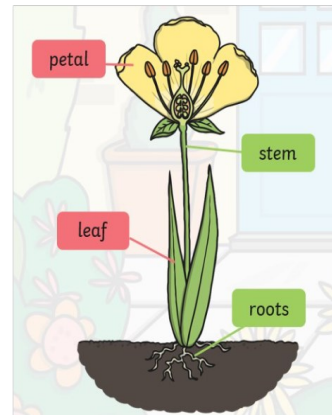
Observe

The growth of a variety of plants as they change from **seed** to plant, or observe similar plants at different stages of growth.

Comparative test

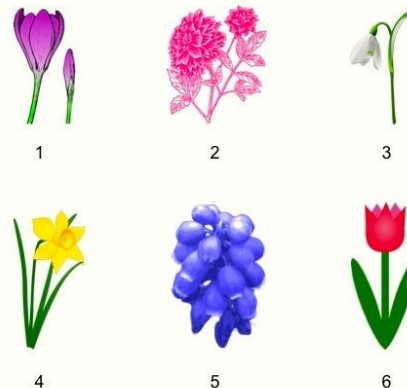
Show that plants need light and water to stay healthy by comparing how they grow in different conditions e.g. inside a cupboard or without water.

Diagrams



Flowers that grow from bulbs

- Crocus
- Dahlia
- Snowdrop
- Narcissus
- Hyacinth
- Tulip



Flowers from a bulb

Stages of growth from a bulb.



Vocabulary

branch	Part of a tree that grows out from the trunk.
dispersal	The movement or transport of seeds away from the plant.
flower	The part of a plant which allows it to reproduce.
germination	The seed splits and the shoot begins to grow, producing a seedling .
leaves	Leaves make food for the plant using sunlight.
nutrient	A substance that provides nourishment for growth.
petal	Petals are brightly coloured and attract insects to the plant. Plants need insects to bring pollen they have collected from other flowers so they can make seeds .
roots	Anchors the plant in the ground, and absorbs water and nutrients from the soil.
seed	Allows a plant to reproduce . New plants grow from seeds
seedling	A young plant which has just germinated from the seed .
stem	Transports water and nutrients to different parts of the plant. Holds the plant upright to get more sunlight.

Flowers and insects

Insects love flowers too!

Flowers have nectar.

Pollen from the flower sticks to the legs of the insects and is brought to the next flower.

