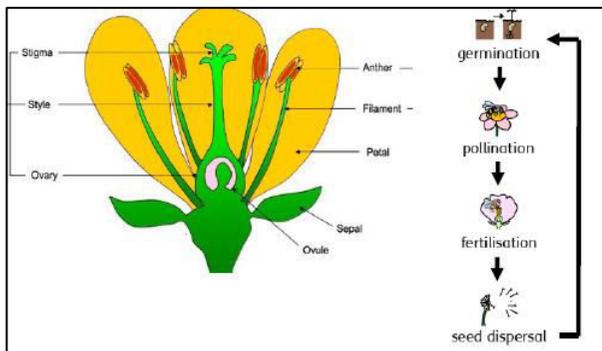


### What should I already know?

- Which things are living and which are not.
- A variety of common wild and garden plants,
- The structure of common flowering plants, including trees (including leaves, flowers, fruits, roots, bulbs, seeds, stem, trunks and branches)
- Seeds and bulbs grow into mature plants
- Plants need water, light and a suitable temperature to grow and stay healthy.
- Different vegetation belts and climate zones **around** the world
- Plants and animals depend on each other to survive.

### Investigate

- Compare the effect of different factors in **plant** growth (e.g. the amount of water, the amount of light and the amount of **fertiliser**). Discuss what would make this a fair test.



### Vocabulary

**Anther** the part of a stamen that produces and releases the pollen

**Bulb** a root shaped like an onion that grows into a flower or plant

**carbon dioxide** a gas produced by animals and people breathing out

**deciduous** a tree that loses its leaves in the autumn every year

**dispersed** scattered, separated, or spread through a large area

**fertilisation** in plants, where pollen meets the ovule to form a seed

**function** a useful thing that something does

**germination** if a seed germinates or if it is germinated, it starts to grow

**life cycle** the series of changes that an animal or plant passes through from the beginning of its life until its death

**pollination** To pollinate a plant or tree means to fertilise it with pollen. This is often done by insects

**nutrients** substances that help plants and animals to grow

All Saints Academy Primary School

Theme: Roots and Shoots

Year: 3

Subject: Science

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