

**What should I already know?**

- Most plants need soil to grow.
- Plants come in all shapes and sizes.
- Plants grow from seeds.

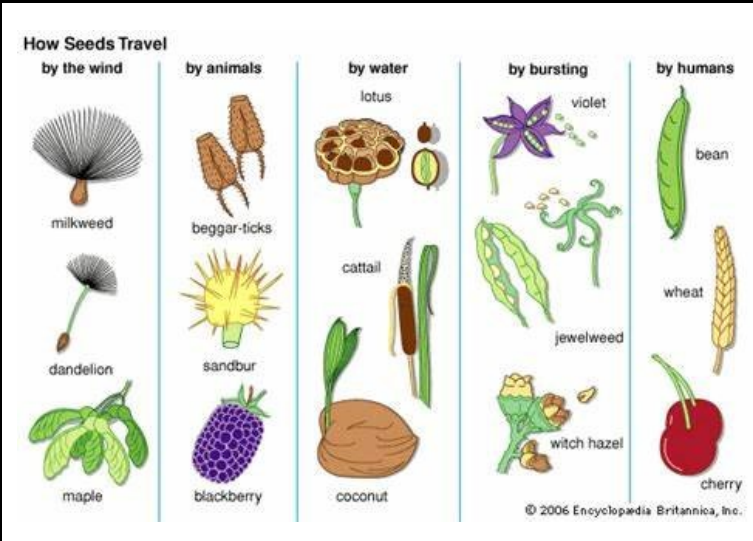
**What will I know by the end?**

- The names and roles of the different parts of a plant including: roots, stem, leaves and flower.
- What a plant needs for life and growth e.g. air, light, water, nutrients from soil, and room to grow.
- How these needs vary from plant to plant depending on their size and location.
- How water is transported within plants.
- To understand the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

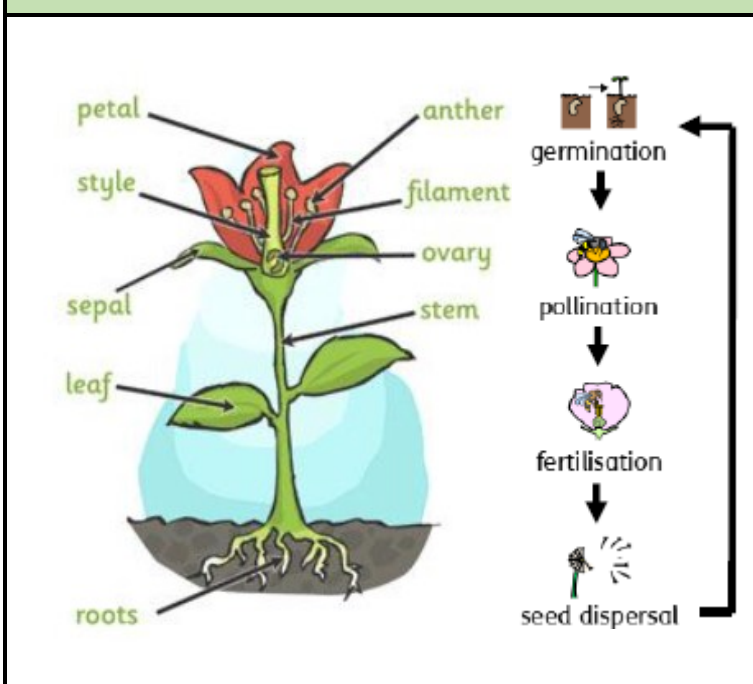
**Science Skills and Enquiry**

- To be able to identify and label the different parts of a flower using a diagram.
- Set up a simple practical experiment to investigate how water travels up a stem.
- Make careful observations and record findings to identify what is needed for plant growth.
- Use scientific language to explain how seed dispersal or germination works.

**How seeds travel**



**The Life Cycle of a flowering plant**



**Vocabulary**

**Flower**—the part of the plant that attracts bees and holds the pollen that plants need to reproduce.

**Germination**— the growth of a seed into a young plant.

**Leaves**—the part of the plant that makes food for the plant using sunlight.

**Nutrients**—the substance that allows plants to grow. All living things need nutrition.

**Pollination**—the process by which pollen is transferred to allow the plant to make seeds and reproduce.

**Roots** — the first part of the plant to grow. Anchors the plant in the ground and absorb water and nutrients from the soil.

**Seed Dispersal**—the movement of seeds away from the original plant.

**Shoot**—the second part of the plant to grow. This will become the stem of the plant.

**Stem**—holds the plant up and carries water and nutrients from the roots to the rest of the plant.

