

The Hermitage School – Science

Topic: Plants

Year: 3

Summer 1 and 2

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
- What a plant needs for life and growth
- How these needs vary from plant to plant
- How water is transported within plants.
- To understand the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

Scientific Skills and Enquiry

- To be able to identify and label the parts of a flower
- Set up a simple experiment to see 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 the life cycle of a flowering plant.

Vocabulary

Flower—the part of the plant that attracts bees and holds the pollen

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.

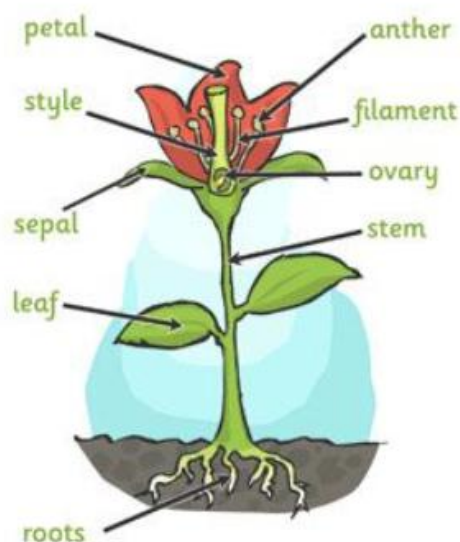
Pollination—the process by which pollen is transferred to allow the plant to reproduce

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 plant.



How Seeds Travel

