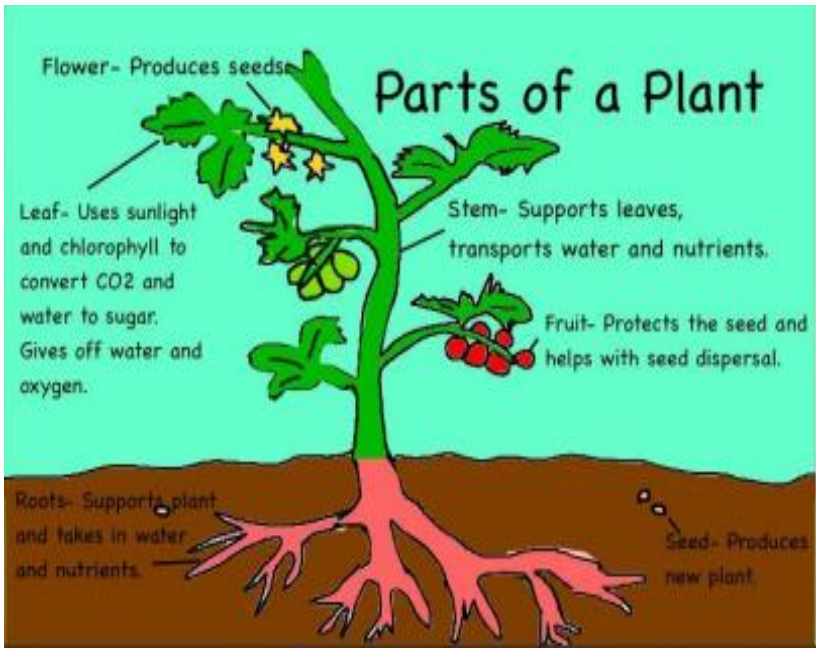
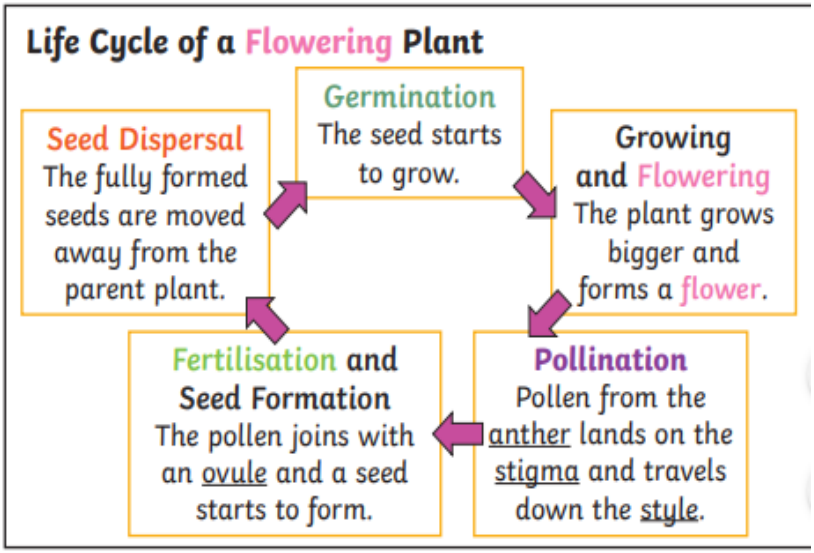
Coley Primary School – Knowledge Organiser

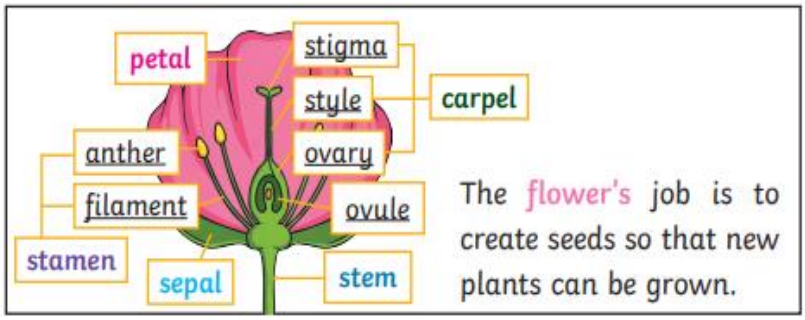
SUBJECT FOCUS: Biology	Science: Plants	YEAR 3	TERM 5

WHAT? – Key Knowledge

- Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers
- Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant
- Investigate the way in which water is transported within plants
- Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.
- Know that plants make their own food
- Use scientific language: say, read and spell scientific vocabulary.







WHAT? – Key vocabulary

Function	Something's job or role.
Seed dispersal	The movement of seeds away from the original plant.
Nutrients	Substances that are important for life and growth.
Pollination	He transfer of pollen to another flower to allow a plant to grow a new seed.
Fertilisation	When the pollen joins the egg of a new flower and seeds are formed.
Flowering	Produces flowers.

Diagrams and symbols



I wonder…

Can they…

- classify a range of common according to many criteria (environment found, size, climate required, etc.)?
- explore the role of flowers in the life cycle of flowering plants? Including pollination, seed formation and speed dispersal?

Possible experiences: *Curious minds…*

- **Grow it:** Why not grow a plant and watch pollination in action? Tomatoes and beans are good ones to try. When the plant bears flowers, watch it carefully for the different stages in the pollination process.
- **Experiment with Photosynthesis,** by Nadia Higgins