

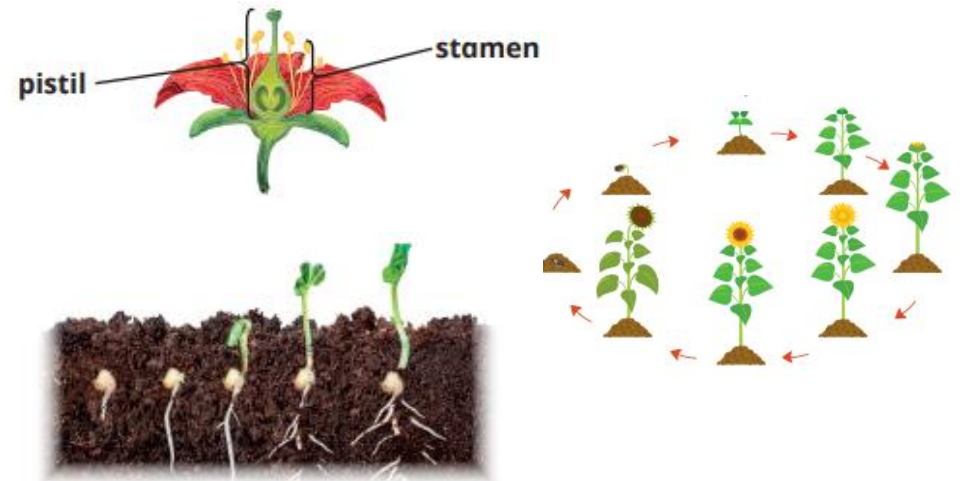


# Science Knowledge Organiser- Year 3 Plants

## KEY VOCABULARY

Leaf-	Absorbs sunlight to make food for the plant.
Stem-	Carries water to different parts of the plant.
Roots-	Absorb water and nutrients from the soil and hold the plant in place.
Flower-	Helps the plant to reproduce and create new life.
Soil-	Contains water and nutrients that plants use to grow and stay healthy.
Seed-	A part of a plant that can grow into a new plant.
Water transportation-	The movement of water from the roots, through the stem, to the leaves and flowers.
Seedling-	A young plant grown from a seed that has not yet fully grown.
Seed coating-	The layer of a seed that breaks when wet.
Germination-	The process of a seed breaking its coating and sending out its first leaves and roots.
Petals-	Attract insects to the flower.
pollen -	Tiny grains made in the male part of a plant.
pollination -	The transfer of pollen from the male part of a plant to the female part of a plant.

- Germination is the process of a seed breaking its coating and sending out its first leaves and roots.
- Seeds need water to germinate.
- As a seed absorbs water, the seed coating swells and breaks.
- The correct temperature is important for the growth of seedlings.



## Factual knowledge

- Seed dispersal is the movement of seeds away from the parent plant for the life-cycle process to begin again.
- The most common methods of seed dispersal are by wind, water, animals and explosion.