# HOW DOES YOUR **GARDEN GROW?**

# Vocabulary (

carpel: female part of the flower - made of stigma, style and ovary flower: the part of the plant where seeds are made.

germinate: when a seed starts to grow and produce a root and shoot.

leaves: catch sunlight and use this to make food. life cycle: the stages a living thing goes through during its life.

nutrients: materials in the soil that help to nourish

ovary: the part of the flower that contains the

ovule: these are like eggs; they develop into

petal: part of the flower that attracts insects, often brightly coloured.

photosynthesis: how green plants make their

food pollen: dust-like powder made in the stamen of a flower.

pollination: transferring pollen grains from the male anther of a flower to the female stigma so that new plants can be made.

root: helps anchor the plant into the soil; takes up water and nutrients.

root hairs: tiny hairs on a root that take water and nutrients from the soil.

seed dispersal: the way seeds get from the parent plant to a new place so that they can grow.

sepals: protect the rest of the flower as it grows.

stamen: the male part of the flower which produces pollen.

stem: holds the plant upright and supports the leaves: it contains tubes that allow water to travel from the roots to the rest of the plant.

style: the middle part of the carpel, connecting the ovary to the stigma.

stigma: part of the carpel that pollen grains attach to during pollination.

veins: tubes in the leaf that carry water and food

# **PLANTS**

## We are learning to:

- Identify and describe the functions of roots, stem / trunk, leaves and flowers.
- Explore the requirements of plants for and how they vary from plant to plant.
- Investigate the way in which water is
- Explore the part that flowers play in

## **WORKING SCIENTIFICALLY**

#### **OVERVIEW**

Children work scientifically on a variety of quick challenges and longer tasks to learn about plants. They learn about the different parts water transportation in plants and

## **PRIOR LEARNING**

- suitable temperature to grow and stay healthy (Year 2).
- How seeds and bulbs can grow into mature plants (Year 2).

#### LET'S THINK LIKE SCIENTISTS

## Predict what will happen





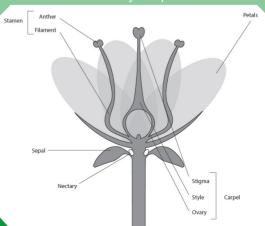
Predict what will happen.

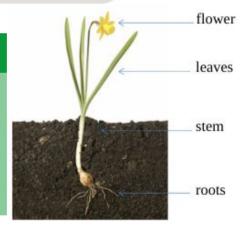
Write your prediction down.

Explain why you think this will happen.

### **PLANTS**

- Male parts of flowers produce pollen.
- To make a new plant, one pollen has to join up with one ova.
- The pollen has to get from one flower to another flower.
- Some flowers use insects to do this. Some use the wind to carry the pollen instead.





SCIENCE SCIENCE

