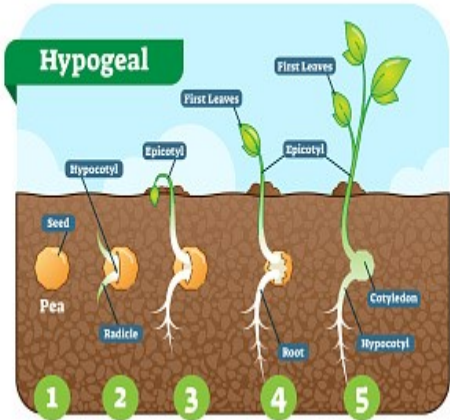


Meadows First School Knowledge Organiser **SCIENCE** **Year 2 Summer 1** **FOCUS: Plants**

Key Knowledge

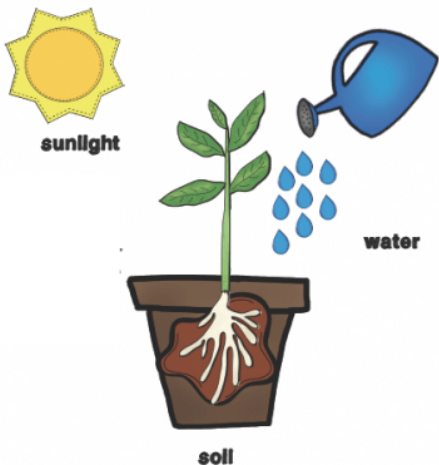
I can observe and describe how seeds and bulbs grow into mature plants.



Germination	The seed soaks up the water and swells. The tiny new plant bursts out of its shell.
Sprout	The plant grows new shoots and roots.
Shoot	A shoot grows upwards from the seed or plant to find sunlight.
Seed dispersal	When the seeds are moved away from the parent plant by the wind or animals.

I know what plants need to grow.

Plant Needs



- **Water:** All plants need water to grow. Without water, seeds and bulbs will not germinate.
- **Sunlight:** All plants need light from the sun to grow well. Some plants need more sunlight than others.
- **Temperature:** Some plants like cooler temperatures and others like warmer temperatures.
- **Nutrition:** Plants find nutrition in the soil and make their own food in their leaves by using sunlight.

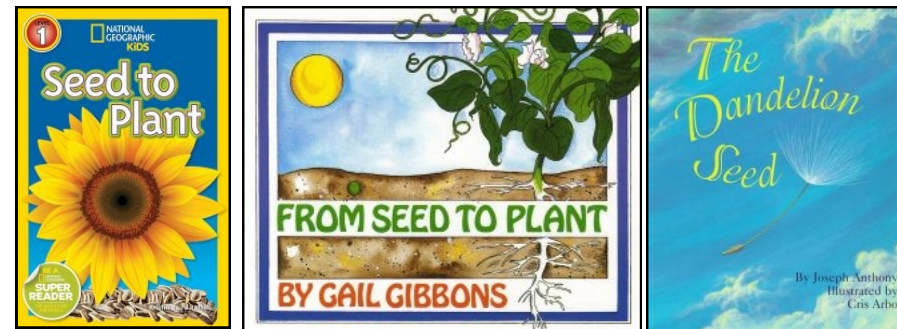
Key Vocabulary

Nutrients	The food or nourishment required for growth.
Roots	Part of the plant that grows underground.
Seed	The small, hard shell from which a new plant grows.
Temperature	How hot or cold something is.

Working Scientifically

- We will learn about how seeds disperse their seeds and then carry out an investigation to see which is the most effective. We will use simple equipment to record what happens. When we finish we will think about how we could change our investigation.
- We will observe germination in water cress. We will make predictions and write down what we observe.
- Using information from books and computers we will then design our own seeds and think about how they would disperse seeds.

Books, Internet Sites and Places to Visit.



The lifecycle of a plant: <https://www.bbc.co.uk/bitesize/clips/z3wsbk7>

Botanical Gardens: <https://www.birminghambotanicalgardens.org.uk/>