

Y1/2 Subject: Science – Plants

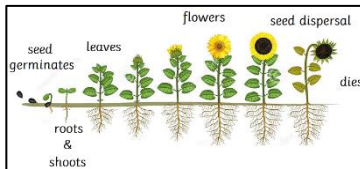


Illustration to show the process of Germination

Why are we learning about this?

We are building on our previous learning of our understanding of the world around us, our exploration of the natural environment and how we care for living things. It is important to know how all plants (and all living things) have a life cycle that requires basic needs to survive and how we can help them grow. This will be developed in Lower Key Stage 2 (Year 3 and 4) when we learn to identify and describe the functions of flowering plants and investigate the way in which water is transported within plants.

Important questions to answer:

- What is the difference between a flowering and non-flowering plant?
- Why are the roles of each part of a plant important for its growth?
- How can a plant be looked after to support the process of Germination?
- How can you tell if a plant is unhealthy?

Experiences we will have:

- Have the responsibility of looking after a class plant
- Germinate seeds and plant potatoes outside

Things we need to know:

- To know that a flowering plant produces petals and uses the seeds to reproduce.
- To know the roots, stem and leaves all have important roles to help a plant grow and sustain basic survival needs.
- To know that Germination is the process of when the seed or spore grows into a plant.
- To know a plant needs water, air, nutrients, light and the right temperature to grow.

Skills we need to learn:

- I can identify the difference between a flowering and non-flowering plant.
- I can observe and record the growth of a plant
- I can describe and label parts of plant
- I can explain a scientific process

Subject Specific Vocabulary:

flower	roots	spore
plant	stem	life cycle
growth	leaves	reproduce
Germination	petals	observe
flowering	seed	temperature

