

Topic: Plants Year group: 2

Subject area: Science

Topcliffe Primary



Vocabulary/glossary

bulb	a root shaped like an onion that grows into a flower or plant
common	something that is found in large numbers or it happens often
Comparative	Identifying similarities and differences between one thing to another.
crop	plants that are grown in large quantities for food
deciduous	a tree that loses its leaves in the autumn every year
evergreen	a tree or bush which has green leaves all the year round
flowering	trees or plants which produce flowers
Germination	The development of a plant from a seed.
Life cycle	The series of changes in the life of a living thing, including reproduction.
nutrients	substances that help plants and animals to grow
reproduce	when an animal or plant produces one or more individuals similar to itself
seed	the small, hard part from which a new plant grows

What should I already know?

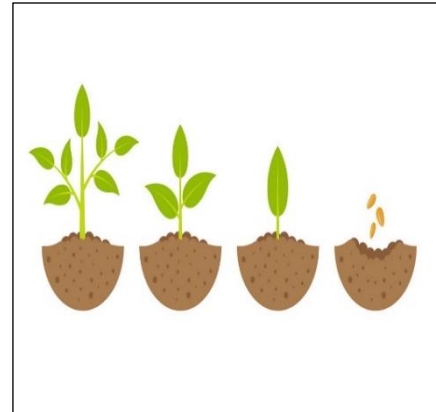
Plants can grow.

The names of some **common garden plants** (e.g. poppy, rose) and the names of some **common wild plants** (e.g. daisy, dandelion, nettle).

Deciduous trees lose their **leaves** in the autumn every year.

Evergreen trees have green **leaves** all year round.

The parts of a plant including **petals, fruits, roots, bulbs, seeds, stem, trunks** and **branches**.



What knowledge will I have gained at the end of the topic?

I know, through observation, that seeds and bulbs grow into mature plants.

I know how seeds and bulbs grow and the basic needs of plants for survival - water, light, a suitable temperature and nutrients from the soil.

I know how to set up a fair comparative test to show that plants need water, light and a suitable temperature to stay healthy and grow.

I know how to record my findings with accuracy i.e. measuring the growth plants in cm as they change over time.

I know how to present my findings – table, bar charts and diagrams.

I know what happens if plants don't get their basic needs to survive – stop growing, turn yellow and spindly in the dark/ cold and wilt and die with no water.

I know the processes of reproduction and growth in plants, including germination.

I know we can eat different parts of the plants, like leaves (spinach), stem (celery), roots (carrots) or fruit (like cherries) and what food we get from crops (grains and seeds) and what can be made from these.

Skills

Observe and describe the main changes as seeds and bulbs grow into mature plants.

To plant seeds and bulbs and suggest how to care for them by setting up a comparative test and making predictions.

To compare growth of seedlings under different conditions and record my findings.

To present findings.

Describe the basic needs of plants for survival and the impact of changing basic needs.

To explain the life cycle of a plant.

To identify what food comes from different parts of the plant and crops.