

## Year Two Knowledge Organiser: Plants. How do I keep a plant alive?

### National Curriculum Specification

Pupils should be taught to:

- observe and describe how seeds and bulbs grow into mature plants
- find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.

Key Vocabulary	
<b>Germination</b>	When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell (germination).
<b>Sprouting</b>	Growing new roots
<b>Shoot</b>	A shoot grows upwards from the seed or plant, towards sunlight.
<b>Seed dispersal</b>	When the seeds move away from the parent plant. They can be moved by the wind or animals.
<b>Temperature</b>	How cold or warm something or somewhere is.
<b>Bulb</b>	A root shaped like an onion that grows into a flower or plant.
<b>Nutrients</b>	A substance that feeds a plant to help it to grow. Plants also make their own food in their leaves using sunlight.
<b>Reproduce</b>	When an animal or plant produces one or more individuals similar to itself.

### Talking points for home!

Can you name things which are alive, dead or have never been alive?

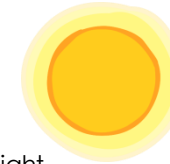
Go on a plant/tree hunt. What do you notice about what they look like? What are their features?

Why do some plants grow better than others?

Which part of a plant does this vegetable come from?



water



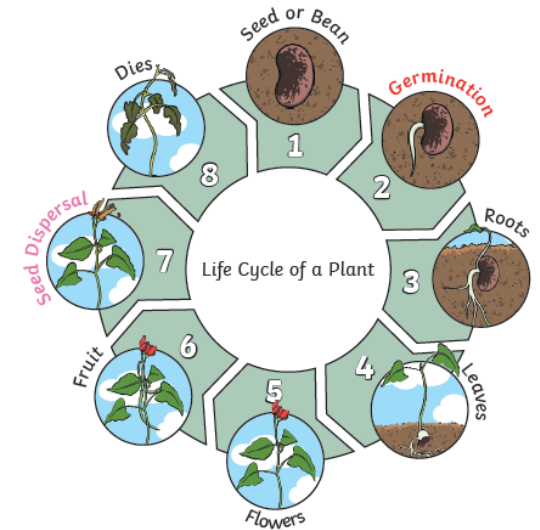
sunlight



right temperature



nutrients



### Key Facts

#### What do plants need to grow well?

All plants need light from the sun. Some plants require more **sunlight** than others.

All plants need **water** to grow. Without water, seeds will not germinate.

All plants need **nutrients** (food). Most of the time, plants get this from soil.

All plants need a **temperature** that is right for them.

Some plants also need physical support and protection from heavy rain or strong winds.

Plants can:

- move
- grow
- react to their surroundings (sense)
- absorb nutrients
- reproduce

Many plants can be eaten:

- fruit (contain seeds)
- parts of vegetable plants (root vegetables such as carrots, stem vegetables such as celery, leafy vegetables such as lettuce, flowering vegetables such as broccoli)
- grains and cereals from plants
- nuts and seeds from plants are sometimes edible