

# Knowledge Organiser- Science –Year 3 – Spring 2 2023

## Plants



### STICKY KNOWLEDGE

Plants are all around us. In order to grow well and survive, plants need air, water, light, space and good soil.	Photosynthesis is the name of the process where plants make their own food. It affects all living things, even humans.	Roots are vital to help plants grow and survive. Roots take water and minerals, a sort of food from the soil. They fix the plant to the ground and often store food for the plant.
The flower is a plants reproductive organ and they play an important role in allowing the plant to make new plants - reproduction.	Plants need something to move its pollen for it - a pollinator. This is any animal that moves pollen from one plant to another, called pollination.	Seeds absorb a lot of water which helps them grow in the early stages of a plants life. Seeds also contain a small food store which gives the seed energy.

### KEY VOCABULARY

<b>Chlorophyll</b>	Captures the sun's rays and creates sugary carbohydrates or energy, which allows the plant to grow
<b>Photosynthesis</b>	The process in which green plants use sunlight to make their own food
<b>Anther</b>	The part of a stamen that produces and contains pollen and is usually borne on a stalk
<b>Filament</b>	The stalk of a plant stamen that bears the anther
<b>Pollen</b>	A fine powder produced by certain plants
<b>Nectar</b>	A liquid produced by the flower of plants

