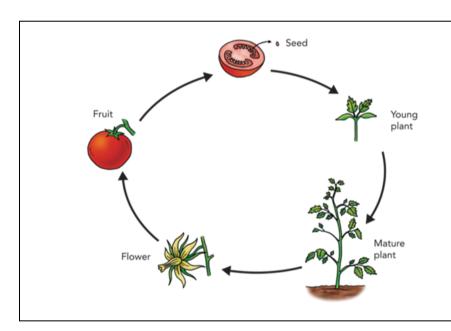
Year 2 Knowledge Organiser—Plants

Plants are part of a large group of **living things**. There are many different types of plants.

Plants use sunlight to make their own food.

What Do Plants Need to Grow?						
Sunlight	Water and Nutrients	Temperature	Space			
Most plants need sunlight to help then grow healthily. They use sunlight to make food Plants that do not get enough sunlight grow weak.	Like us, plants need water and nutrients to survive. Plants get water from the soil, through their roots.	The temperature needs to be just right for plants to grow properly. If it is too hot, they could dry out and wilt , too cold and they will die.	Plants need room for their roots. If they are over crowded they will not grow well. There may not be enough, food, water or sunlight for lots of plants in the same area.			



Plants have a **lifecycle** that helps them reproduce.

The seeds need **soil**, **water** and **warmth** to grow.

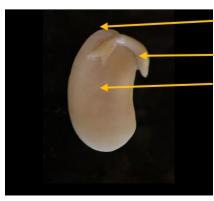
The young plants are called **seedlings**.

They need warmth from the sun, water and enough room to grow.

The **mature** plants grow **flowers**, which then become **fruits**. The fruits contain the seeds for a new plant.

When the plant dies or the fruit is eaten, the seeds find their way into the soil and the **process** is repeated.

Plants can grow from **seeds** or **bulbs**. We call this process **germination**. A seed is **germinating** when it begins to **sprout**.



The seed has a tough outer coat, which protects the plant.

Inside the seed is the baby plant, or **embryo**.

Seeds do not need the sun to grow, they have their own **food store** which will last until the first **seedling** leaves appear.

Seeds need the conditions to be right so they can **germinate**. They need **water**, **air** and the right **temperature**.