

Year 2 Science Knowledge Organiser

Theme: Plants



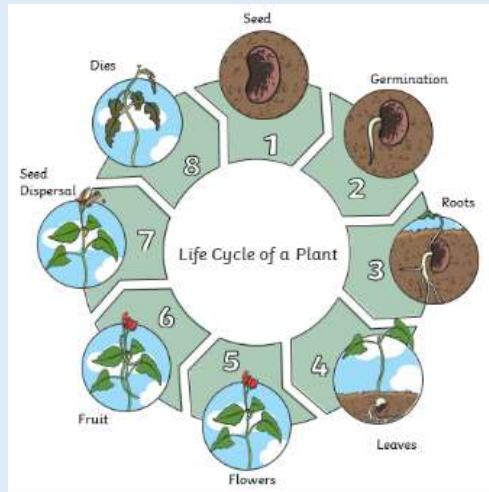
Science

Key Knowledge

By the end of this unit pupils will...

A plant needs water and the correct temperature to grow and stay healthy, most don't need light as they have a store of food inside them. Children will be given a tomato seed to observe and record changes over time. Children will also be using their scientific knowledge to source a suitable location that will enable their seed to germinate and grow.

The lifecycle of a seed (BBC Bitesize) [Click here](#)



Key Vocabulary

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germination	When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell. This is called germination .
water	All plants need water to grow. Without water , seeds and bulbs will not germinate .
temperature	Temperature is how warm or cold something or somewhere is. Some plants like cooler temperatures and some like warmer temperatures .
nutrition	Food or nourishment. Plants make their own food in their leaves using sunlight .

Working Scientifically

	<ul style="list-style-type: none"> » Ask questions » Recognise when identifying and classifying will help me answer my questions. » Use secondary sources to identify and classify things. » Look for similarities and make comparisons.
	<ul style="list-style-type: none"> » Ask questions. » Make careful observations. » Use scientific language. » Draw and label what you observe. » Use observations to suggest answers to questions. » Talk about and explain observations using scientific knowledge and understanding. » Observing over Time
	<ul style="list-style-type: none"> » Ask questions and find different ways to answer them. » Use scientific language. » Use equipment to make observations. » Make careful observations. » Talk about findings. » Make simple conclusions.