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| Science focus | Plants | Year 2 | Summer Term |
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What? (Key knowledge)

Structure of a plant

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| Roots | Roots are underground—they hold the plant up and they also take in water from the soil. |
| Stem | Stem carries the water and nutrients from the soil to the leaves. |
| Leaves | Leaves use the water from the soil and the light from the sun to make food for the plant. |
| Petals | Some plants have flowers made up of petals. |
| Tree structure | Tree trunks are the main stem of the tree and the branches are smaller stems. |

What plants need to grow and stay healthy

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| Water | All plants need water to grow. Without water seeds and bulbs wouldn't germinate. |
| Light | All plants need light from the sun to grow well. Some plants need lots of sunlight, others only need a little sunlight. |
| Suitable temperature | Temperature is how warm or cold it is. Some plants like cooler temperatures and some like warmer temperatures. |
| Nutrition | Plants need food or nourishment. They make their own food in their leaves using sunlight. |
| Air | Plants need air for respiration and to help make their food. |

Possible Investigations

To investigate how plants grow from a seed to a mature plant.

To investigate what plants need to grow and stay healthy.

What? (Key Vocabulary)

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| Seed | The small parts produced by plants from which a new plant grows. |
| Growing conditions | These are the conditions in which a plant needs to grow and stay healthy. |
| Suitability | Determines if the conditions are right for a plant to grow. |
| Germination | When conditions are right, the seed soaks up the water and swells, and a new plant starts to grow. |
| Sprout | When a plant sprouts, it grows new shoots. |
| Shoot | A shoot grows upwards from the seed or plant to find sunlight. |
| Seed dispersal | This occurs when the seeds move away from the parent plant by the wind or animals. |

Diagrams and symbols

