



## Skills and Knowledge Organiser

### Year 2 Summer Term Science – Growing plants

Key Knowledge and Skills	Working scientifically	Key Vocabulary	Key Questions
<p>To know that flowering plants produce seeds which grow into new plants</p> <p>To know that some plants have bulbs from which they grow</p> <p>To make observations of plants over time</p> <p>To explore how plants from seeds and bulbs grow</p> <p>To describe what happens to bulbs during the plant cycle as they grow</p> <p>To describe what happens to a seed as it grows and develops</p> <p>To describe what they observe as new plants grow</p> <p>To observe and describe how seeds and bulbs grow into mature plants</p> <p>To compare the plant cycle for a plant from a seed with that from a bulb</p> <p>To suggest how to find out about what plants need in order to grow well</p> <p>To recognise that plants are living and need water, light and warmth to grow</p> <p>To describe differences between plants grown in the light and in the dark</p> <p>To find out and describe how plants need water, light and a suitable temperature to grow and stay healthy</p> <p>To explain how to look after a variety of plants</p> <p>To know that a seed and bulb both contain everything a plant needs to grow</p> <p>To explain that seeds and bulbs do not need light to germinate and identify how this is different to the needs of a plant</p> <p>To explain how plants in the desert survive with little water and plants in the rainforest survive with little light</p>	<p>asking simple questions and recognising that they can be answered in different ways</p> <p>observing closely, using simple equipment</p> <p>performing simple tests</p> <p>identifying and classifying</p> <p>using their observations and ideas to suggest answers to questions</p> <p>gathering and recording data to help in answering questions</p>	<p>Seed- the small part of a flowering plant that grows into a new plant.</p> <p>Germinate- to start or cause to start growth</p> <p>Seedling- a young tree or plant grown from a seed.</p> <p>Bulb- a plant bud that begins to grow underground.</p> <p>Bud- a swelling on a plant that can grow into new parts, such as leaves or a flower.</p> <p>Shoot-new growth from a seed or a bulb</p> <p>Temperature- the degree of heat or cold of an object or an environment.</p> <p>Grow- to become larger by natural development</p>	<p>What is a seed?</p> <p>Where do seeds come from?</p> <p>How do new plants and trees grow?</p> <p>What do plants and trees need to grow?</p> <p>What is the life cycle of a plant?</p> <p>How are plants grown in light and in the dark different?</p>



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#### Investigations

The children will plant seeds and observe what happens as they grow.

How does light affect how plants grow? <https://www.stem.org.uk/resources/elibrary/resource/34244/how-does-light-affect-growing-plants>

To compare plants grown in different conditions, investigate what seeds need to germinate and plant, observe and record cress as it grows use <https://www.stem.org.uk/resources/elibrary/resource/459514/growing-things>