

Newport Infant School—Science Knowledge Organiser

Summer Term	Year 2	Plants



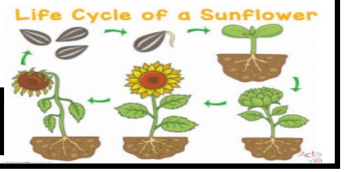
What should I already know?

- The names of common wild and garden plants and trees
- How to label the parts/ structure of a plant, including trees
- How plants change through the seasons

What I will know by the end of the unit

- Plants are living things and require things such as water, warmth, nutrients from soil and light to grow.
- If they do not have one or more of these things, they may stop growing.
- Plants can: move, grow, react to their surroundings (sense), absorb nutrients, reproduce.
- The requirements for germination
- The process of reproduction in plants (life cycle of a sunflower)
- This knowledge will be sought from investigations and observations of seeds and mature plants growing.

Key Text: The Tiny Seed



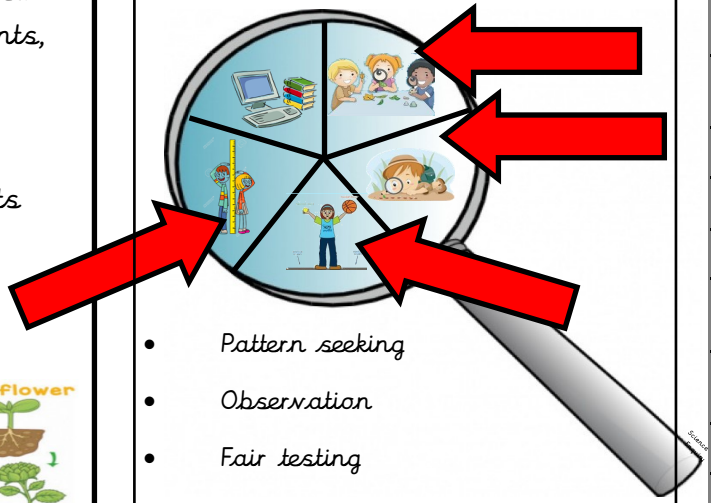
Investigate!

- Observe plants in the school grounds and suggest changes over time, as well as what makes them grow well



- Investigate the ideal conditions for germination of cress seeds
- Investigate conditions needed to for plants to stay healthy, setting up comparative tests
- Observe and sequence the life cycle of a sunflower. Explorify time lapse videos

Science Skills



- Pattern seeking
- Observation
- Fair testing
- Sorting and classifying

Vocabulary

branches	Parts that grow out from the tree trunk and have leaves, flowers , or fruit growing on them
bulb	A root shaped like an onion that grows into a flowering plant
common	Something that is found in large groups or happens often
deciduous	A tree that looses its leaves in the autumn every year
evergreen	A tree or bush which has green leaves all the year round
flower	The part of a plant which is often brightly coloured and grows at the end of the stem
flowering	Trees or plants which produce flowers
germinate	To begin to grow or develop
leaf/leaves	Usually flat and thin growing from the branch or stem
petal	Coloured part of the flower
plant	A living thing that grows in the earth and has a stem, leaves and roots
reproduc-tion	To produce one or more living organisms
roots	The parts of a plant that usually grow under the ground
seed	The small, hard part from which a new plant grows.
soil	The ground or earth, providing opportunity for growth
stem	The upright part of a plant on which the flowers and leaves grow
survival	When a plant or living thing endures or survives, often under unusual circumstances
tree	A tall plant that has a hard trunk, branches, and leaves
trunk	The large main stem from which the branches grow
vegetation	Plants, trees and flowers