

LKS2 Sum 1 Cycle A



To be secure in this unit you must:

- identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers
- explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant
- investigate the way in which water is transported within plants
- explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

Develop scientific skills:

- asking relevant questions and using different types of scientific enquiries to answer them
- setting up simple practical enquiries, comparative and fair tests
- making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
- gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
- recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
- reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
- using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
- identifying differences, similarities or changes related to simple scientific ideas and processes using straightforward scientific evidence to answer questions or to support their findings.

Vocabulary

water transportation	the movement of water from the roots, through the stem, to the leaves and flowers
seedling	a young plant grown from a seed that has not yet fully grown
seed coating	the layer of a seed which breaks when wet
germination	the process of a seed breaking its coating and sending out its first leaves and roots
stamen	the male parts of a flowering plant
pistil	the female parts of a flowering plant
pollen	tiny grains made in the male part of a plant
reproductive organs	parts of a living thing needed to make offspring
pollination	the transfer of pollen from the male part of a plant to the female part of a plant
pollinators	animals which are used by plants to transfer pollen
seed dispersal	the movement of seeds away from the parent plan
useful vocabulary: root, stem, leaf, flower, life-cycle, flower, soil, independent variable, dependent variable, controlled variable	

Sticky Knowledge

Germination

Parts of a flower

Pollination

Useful Diagrams

Seed dispersal

wind                      water

explosion                      animal

Water transportation