



What should I already know?

I can observe and describe how seeds and bulbs grow into mature plants
I have found out and described how plants need water, light and a suitable temperature to grow and stay healthy (Year 2)

Knowledge

- Recognise that the main parts of a flowering plant are the roots, stem, leaves and flowers.
- Recognise that these parts are needed for the plant to grow and reproduce and that each has a specific job - roots and stems are needed for nutrition and support, leaves are needed for nutrition, and flowers are needed for reproduction
- Recognise that all plants require air, light, water and nutrients (normally from the soil) but that different plants vary in their specific requirements for these resources.
- Recognise that plants make their own food, which is a source of energy to grow and reproduce
- Recognise that plants transport water from the roots through the stem to all parts of the plant
- Recognise that flowers contain the parts needed for the plant to reproduce and that the life cycle includes pollination, seed formation, seed dispersal and germination

Year 3 Intention: In Science I will be learning about Plants

Scientific Skills

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

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Vocabulary

wilting
seed plants height
shoot
minerals
nutrients
absorb
seedling dispersal

leaves
germinate
pollen
soil light warmth
water
roots stem grow
growth