

Key threads

Biology	Working scientifically
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Whole-school definition of science

Science is a way to understand our world by carefully thinking about it and testing our guesses with observations and experiments.



Enquiry

Grouping and classifying
Observing changes over time

Working scientifically

Observing closely, using simple equipment.
Asking simple questions and recognising that they can be answered in different ways.

The apprentice gardener



New Knowledge (what we are going to learn)

- How seeds will grow into plants
- How seeds are planted correctly
- To predict the germination and growing process of a seed.
- What factors a plant needs to grow effectively.

Prior knowledge (what we all ready know)

- How leaves change throughout the year
- Recognise that many plants will flower and grow in different ways
- Observe how plants grow over time
- Learn the names and make comparisons of wildly growing local plants
- Learn about the root systems of a variety of plants.

New vocabulary and definition

Seeds – What a plant will grow from.

Gardener – Someone that looks after and grows plants in a garden.

Prediction – To make a guess based on previous knowledge.

Compare – To think about how two or more things are similar or different.

Germinate – Is how a seed grows and develops over time.

Useful vocabulary

seeds, plant (verb and noun), apprentice, gardener, bulb, grow, observe, observations, describe, identify, expert, question, predict, prediction, water, compare, answer, investigate, bean, soil, surface, test, bury, light, dark, water, germinate, fair, same, plan, suitable, radicle, root, shoot, leaves, change, evidence, height, tallest, shortest, bar chart, scale, pattern, question, connection, measure, seedling, mature plant, wilting, healthy, unhealthy, warmth, care, die, block, agree, disagree, alive, food store, first, next, later, after... days, order, conclusion