

Year 3: Should you go into the woods today?

Sci1	Can I identify that not all plants are the same?
Sci2	Can I investigate and explain what plants need for life and growth?
Sci3	Can I name the parts of a plant and their functions?
Sci4	Can I set up a comparative test to investigate how plants grow in different conditions?
Sci5	Can I investigate the transport of water through a plant?
Sci6	Can I name the parts of a flower and their role in pollination and fertilisation?
Sci7	Can I explain the life cycle of a flowering plant including seed formation and seed dispersal?

We learn the following scientific knowledge and skills...

- Record observations in different ways (labelled diagrams, charts etc.)
- Describe what they have found using scientific words
- Identify and describe the functions of different parts of plants
 - (trunk, roots, stem, leaves and flowers)
- Identify what a plants needs for life and growth (light, air, water, nutrients from soil)
- Investigate the ways in which water is transported within plants
- Explain the functions of different parts of the plant.
- Explain the life cycle of a flowering plant
- Compare factors of plant growth e.g. amount of light

Hook for Learning:

- The Night Gardener
- I am the Seed that Grew the Tree
- The Tin Forest
- Tidy
- Visit to school allotments
- Designing bee friendly flowerpots

We learn the following artistic knowledge and skills...

- Create 3D art based on flowers and plants
- Sketch plants and trees in detail

We learn the following computing knowledge and skills...

- Use Scratch to program an animation of pollination and fertilisation

We learn the following vocabulary...

Flower, stem, root, leaf, petal, pollen, pollination, nutrients, growth, shoot, fertilise, disperse, germinate, photosynthesis, compost, sepal, stamen, filament, stigma, anther, style, decomposition, bloom, sieve, produce, support, unearth, separate, nurture, cultivate, wither, seed dispersal, seed formation, soil

Non-Negotiables

- Use pounds and pence to calculate amounts and give change
- Write formal and informal letters

We learn the following writing knowledge and skills...

Use appropriate language to write formal and informal letters

We learn the following mathematical knowledge and skills...

Use money to create amounts and give change