



St James' Church of England Primary School

Science Overview Sheet



Year 1 – Plants



Rationale:

Pupils should use the local environment throughout the year to explore and answer questions about plants growing in their habitat. Where possible, they should observe the growth of flowers and vegetables that they have planted. They should become familiar with common names of flowers, examples of deciduous and evergreen trees, and plant structures (including leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches, stem).

Pre-unit task: Knowledge Organiser Quizzes

Working Scientifically:

- **Observing closely**, perhaps using magnifying glasses.
- **Comparing and contrasting** familiar plants: describing how they were able to **identify and group** them.
- **Drawing diagrams** showing the parts of different plants including trees.

Keeping records of how plants have **changed over time**, for example the leaves falling off trees and buds opening; and **comparing and contrasting** what they have found out about different plants.

Statutory Requirements:

- **Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.**
- **Identify and describe the basic structure of a variety of common flowering plants, including trees.**

Overview:

Lesson 1: Making Observations - To describe and compare plants, seeds and bulbs.
Lesson 2: The Parts of a Plant - To name and compare the parts of plants.
Lesson 3: Garden and Wild Plants- To identify and name some common garden and wild plants.
Lesson 4: Terrific Tress - To identify and name some common trees.
Lesson 5: Fruit and Vegetable Plants - To name, sort and compare some common fruit and vegetable plants.
Lesson 6: Comparing Plants- To name and compare some common plants and trees.

Cross Curricular Links

Resources

Standard School Equipment: • Water • Labels • Magnifying Glasses
Resources That May Need Purchasing: • Seeds and bulbs for planting • Seeds and bulbs for observing (if the Seeds and Bulbs Photo Pack is not used) • Suggested seeds and bulbs: beans, tomatoes, sunflower, carrot, • quick grow salad seeds, wild flower seeds, onion, garlic • Fully-grown plants (if the Plants Photo Pack is not used) • Plant pots and soil for planting seeds

Assessment

Most Children will: • Children can describe some of the features of seeds and plants. They can begin to make comparisons of different plants and seeds. • Children can identify, name and begin to describe the basic structure of a variety of common flowering plants. • Children identify and name a variety of common wild and garden plants. • Children identify and name a variety of deciduous and evergreen trees. They identify, name and describe the basic parts of a tree.

Less Able Children will: • With support, children can begin to describe some simple features of seeds and plants, such as their colour. They can begin to say how some plants are the same or different to one another. • With support, children can begin to identify and name the basic structure of a variety of common flowering plants. • With support, children identify and begin to name some common wild and garden plants

More Able Children will: • Children can describe more detailed features of seeds and plants. They can make comparisons of different plants and seeds, explaining their ideas clearly. • Children can identify, name and describe the basic structure of a variety of common flowering plants. • Children identify, name and describe a variety of common wild and garden plants. • Children identify and name a variety of deciduous and evergreen trees. They identify, name and describe the parts of a tree, offering comparisons.