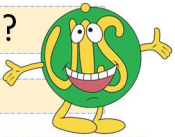




Knowledge Organiser: Year One Science

How do brilliant scientists know about the different types of plants?



Prior learning: In Reception, children will have explored their immediate environment and some of the plants found within it; how they are similar and different and can change over time

Meet some brilliant scientists...



David Bellamy was a famous botanist and television presenter and wrote many books about plants and nature.



Jane Colden was born in 1720 and was the first woman botanist in America. She discovered more about plants and she and her father wrote and illustrated a book about them. The book was so good that it won an award.

What different plants are in our local environment?

We will learn about the variety of plants and trees around our school. We will record and photograph what we see and draw and label some of the plants we encounter and learn about the variety of plants to be found around the world. We will plant a seed and keep a diary over the coming weeks.



I can name some common wild and garden plants

How are plants similar and different?

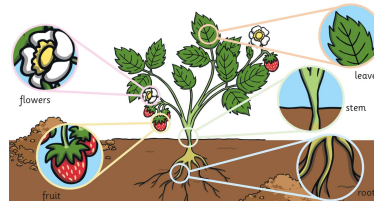
We will learn that plants have similarities and differences. We will closely observe a variety of real plants and photographs to explore the colours, leaf shapes and sizes.



I can identify some common wild and garden plants

What is the structure of flowering plants?

We will learn about the structure of flowering plants by observing a number of different plants closely, including those we planted in the first session, using magnifying glasses. We will learn about the leaves, stem, flowers and roots and draw and label plants

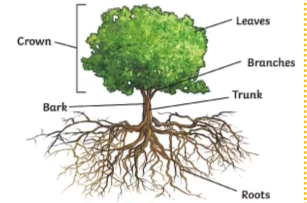


I can describe the structure of some common flowering plants

What is the structure of trees?

We will go for a walk to look at the trees in our local environment. We will photograph them and look at them back at class.

We will look at trees closely and learn about the main parts of the trees, drawing the structure of trees (trunk / leaves / branches / roots / flowers / fruits).



I can describe the structure of some common trees

What different trees are in our local environment?



We will learn about the different trees in our local environment, together with other trees, using magnifying glasses to examine and draw leaves from deciduous and evergreen trees. We will learn what deciduous and evergreen means.

I know what deciduous and evergreen trees are and can name some

How can we sort plants into different groups?

We will try different ways of sorting plants into groups. We will learn that there are different groups of plants: fruit plants, wild plants, garden plants, vegetable plants, deciduous trees and evergreen trees.



I can name some common plants and trees, including fruit plants, wild vegetable plants, flowers, evergreen and deciduous

Key vocabulary: Glossary

evergreen	Trees which keep their leaves all year round	roots	The part of a plant which is underground. It holds the plant in the ground
deciduous	Trees which lose their leaves in the Autumn	flowers	The blossom part of the plant which produces seeds
leaves	The part of the plant attached to the stem which collect sunshine	trunk	The woody stem of a tree
stem	The part of the plant which grows above ground	vegetable	The edible part of the plant, which could be the stem, roots or leaves or flowers
fruit	The fleshy part of the plant which contains the seeds	wild	Plants which grow in the wider environment rather than in gardens