



# Leamington Primary Science Knowledge Organiser Year 1

## Plants and Trees – How do plants grow?



What I should already know	What I will learn	Important words to help me. (vocabulary)	Useful Diagram
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I can name some parts of plants. I may know that plants and trees need water to survive.

**How do plants grow and what do they need to survive?** We will learn how plants begin from germination, through to seedlings and then developing shoots. We will look at how important the environment and water is to allow them to survive.

### Interesting Facts

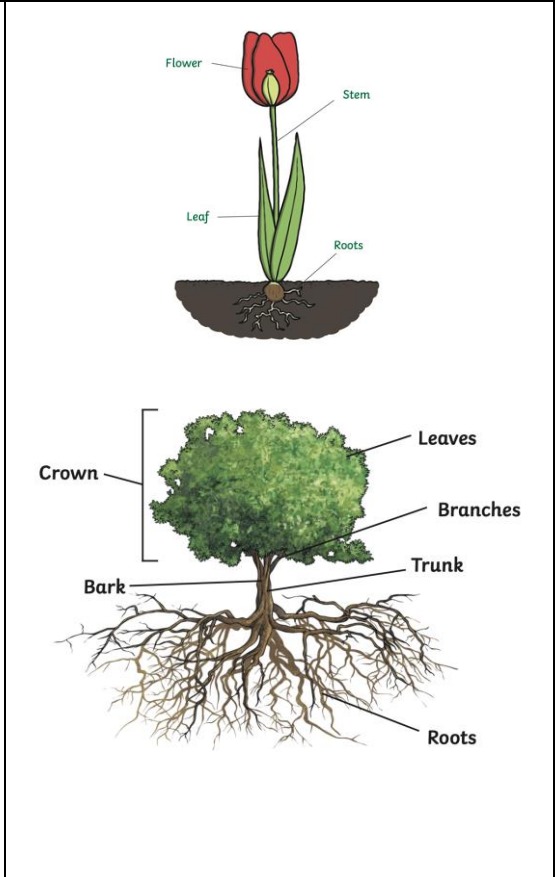
Liverpool is home to one of the oldest trees. The Allerton Oak in Calderstones park is 1000 years old!

**What are the different parts of a plant called?**  
We will learn the names for different parts of a plant. We will learn how plants are structured and what the different parts of a plant do.

**How are garden flowers different to wild flowers?** We will learn about the differences and similarities between plants we find in our gardens compared to plants that grow in the wild and consider why they are different.

**What are the differences between deciduous and evergreen trees?** We will learn the key features of deciduous and evergreen trees. We will try to identify them by looking at the different trees in our immediate environment.

Bark	The outside cover of the trunks, branches, and roots of woody plants
Berry	Any of several small, juicy fruits that do not have a pip
Blossom	The flower of a plant which forms a seed or fruit.
Branch	A woody part of a tree or bush that grows out from the trunk
Bulb	A plant bud that begins to grow underground
Flower	The part of a plant that has petals and that makes fruit or seeds
Fruit	The part of a plant that has seeds and flesh
Leaf/leaves	One of the usually green, flat parts of a plant or tree that grows from the stem or branch.
Petal	One of the separate leaves that form the outer part of a flower head.
Root	The part of a plant that usually grows underground
Seed	The small part of a flowering plant that grows into a new plant.
Stalk	A plant's main stem
Stem	The main part of a plant that grows up from the ground
Trunk	The main stem of a tree.
Vegetable	A plant or part of a plant, such as carrots, beans, or lettuce that is used for food.
Deciduous	Having leaves that drop off each year.
Evergreen	Having green leaves that stay on a plant throughout the year.



### Ideas for Scientific Enquiry

Scientific Experiment: Children will grow plants and consider what the plants need to grow and survive by placing the plants in different environments. Children will predict what they think will happen and make observations throughout the unit of learning.

Children will compare and contrast the features of wild and garden flowers by using their knowledge of the structure of plants.

Children will use scientific enquiry to identify types of trees, using their knowledge of deciduous and evergreen trees.