

## What is Science?

Science provides children with the opportunity to be curious, to make observations, to ask questions about why things happen and to learn how to find the answers.



### Foundation Stage:

In the Foundation Stage Science is part of the Understanding the World area of learning. It is taught each term through 'exploration and investigation'.



### Key Stage 1:

Science is taught every term and relates to the Term's topic. There are many cross curricular opportunities within Science.

## The Science Curriculum



**Working scientifically:** Children are taught to identify and classify, make observations and record in a range of ways. Children are encouraged to ask simple questions and find ways of answering them through performing simple tests.

**Plants:** Children explore the local environment and investigate what grows within it. Children are encouraged to recognise and name common flowers and plants. Children have the opportunity to investigate what plants need to stay healthy.

**Animals, including humans:** Children learn about a variety of common animals. They identify parts of the human body, explore senses and start to understand what we need to survive and be healthy.

**Everyday materials and their uses:** Children are given the opportunity to explore different materials, sort them according to their properties and consider how some materials can be changed.

**Seasonal Changes (Year 1):** Children observe the changes across the seasons and explore various types of weather.

**Living things and their habitats (Year 2):** Children compare living and non-living things. They identify a range of habitats.

## Science at Summerhill

This is a very brief overview of some of the Science work covered in each year group:

### Reception:

- Observing what happens to ingredients when we cook with them.
- Exploring the growth and change of themselves, caterpillars/butterflies, and chicks.
- Exploring water, its uses and floating and sinking.
- Hunting for minibeasts.

### Year 1:

- Naming different body parts.
- Identifying and using the five different senses.
- Finding out about different materials.
- Planting seeds and investigating what they need to grow.
- Exploring the changes in seasons.

### Year 2:

- Understanding what living things need to stay healthy.
- Finding out about habitats and why they are important.
- Investigating how materials can be changed.
- Understanding what makes an investigation fair and recording work in a variety of ways.

## How can you help?

Everyday is filled with opportunities to learn Science! As a Parent/Carer you do not need a strong background in Science to help your child learn. Here are some ways in which you can support your child when at home and 'out and about':

- Make collections of interesting objects and encourage your child to sort them into different groups.
- Explore seasonal changes, see how the trees and plants in the park or garden change throughout the year.
- Plant your own flowers or vegetables and watch them grow!
- Have fun cooking and encourage your child to talk about what happens to the ingredients as you mix or heat them.
- Explore floating or sinking with different objects in the bath.



**Feel free to contact the following person for any additional information:**

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**Summerhill  
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## Science



This leaflet aims to give you a brief overview of Science at Summerhill Infant School