

## How can you help at home?

Everyday is filled with opportunities to learn Science! As a parent you don't 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.
- Encourage your child to recognise and talk about similarities and differences between all sorts of things!
- Have fun cooking and encourage your child to talk about what happens to the ingredients as you mix or heat them. Encourage your child to describe the texture, taste and smell of different foods.
- Explore floating and sinking with different objects when in the bath.
- Look at non-fiction books together to find out about things of interest to them.
- Plant flowers and vegetables and watch them grow.
- And most importantly, HAVE FUN!

Also, if your child records or photographs any science work that they do at home, please encourage them to show Mrs Billingsley at [r.billingsley@stannington.sheffield.sch.uk](mailto:r.billingsley@stannington.sheffield.sch.uk). She welcomes any opportunity to celebrate science outside school.



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

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# Stannington Infant School Science

Information Leaflet  
for  
Parents and Carers





## Science at Stannington Infant School

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

### Foundation Stage:

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

### Key Stage One:

Science is taught in the classroom but, importantly, every opportunity for Science learning during Forest Schools is used. All year groups focus on a science area of learning during the half term that they are taking part in Forest Schools. These are chosen so the use of the outdoor environment will enhance children's learning. There are many cross curricular opportunities within science.



## What will our children learn in Science at Stannington Infant School

There are four main areas in the teaching of Science:

### 1. Scientific enquiry:

Children are given the opportunity to use first hand experiences and simple sources of information to ask and answer questions. The emphasis is on learning scientific skills such as sorting, describing, questioning, planning and carrying out investigations, collecting and presenting results and finding conclusions.

### 2. Life processes and living things: (Biology)

Children are encouraged to recognise similarities and differences between living and non-living things. They learn about the human body, their senses, plants and what living things need to stay alive.

### 3. Materials and their properties: (Chemistry)

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

### 4. Physical processes: (Physics)

Children learn about Electricity, Forces and Motion and Light and Sound.

## Overview at Stannington Infant School

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

### Foundation Stage:

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

### Key stage 1:

- Naming different body parts.
- Identifying and using the five different senses.
- Identifying sources of light.
- Learning about pushes and pulls.
- Finding out about different materials.
- Planting seeds and investigating what they need to grow.
- Understanding what living things need to stay healthy.
- Identifying electrical appliances and making simple circuits.
- Investigating how materials can be changed.
- Understanding what makes an investigation fair and recording work in a variety of ways.