How can you help at home?

Everyday is filled with opportunities to learn Science. 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. What materials are they made from? Can you identify the different properties of the objects?
- Have fun cooking and talk about what happens to the ingredients as you mix them or heat them. Can you name the 5 senses? Can you describe the texture, taste and smell of different foods?
- Explore floating and sinking with different objects.
- Plant flowers and vegetables and watch them grow. Can you name the different parts of the flowers?
- Record the changes in the trees and weather throughout the year. What are the four seasons? What happens to the trees throughout the seasons?
- Look at non-fiction books together to find out about things of interest to them.



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

Alyson Cann
Science Co-ordinator

Stannington Infant School
Stannington Road
Sheffield
S6 6AN

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 and discuss observations, to ask questions about why things happen and to learn how to find the answers, sometimes through simple investigations.

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

Key Stage One:
In Key Stage One Science is taught not only in the classroom but also during Forest Schools. All children are given the opportunity access Forest Schools once a year for 6 weeks. The science topic taught during Forest Schools is based around the seasonal changes and is chosen so that the use of the outdoor environment enhances the children's learning.



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

There are three main areas in the teaching of Science:

1. **Scientific enquiry:**
Children are given the opportunity to use first-hand experience 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 and the 5 senses. Children also learn what plants and 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.

Overview of Science 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, eggs/chicks and caterpillars/butterflies.
- Exploring water, its uses and floating and sinking.
- Investigate and observe changing states from liquid to solid.
- Hunting for mini-beasts.

Key stage 1:

- Naming different body parts.
- Identifying and using the 5 senses.
- Finding out about different materials.
- Investigating the properties of material.
- Planting seeds and investigating what they need to grow.
- Understanding what living things need to stay healthy.
- Animal classification.
- Identifying and naming common wild and garden plants.
- Identifying and naming the main components of a plant.
- Understanding what makes an investigation fair and recording work in a variety of ways.