



Science Implementation

At Shadsworth Infant Primary School, Science is taught throughout the school, following the EYFS statutory framework and the National Curriculum Programmes of Study for KS1. The programmes of study describe a sequence of knowledge and concepts.

In EYFS, Science knowledge and skills are covered through 'Understanding the World'. This is planned and taught half-termly through adult directed teaching as well as being part of the enhanced and continuous provision. These link directly to each half-termly topic covered in both Nursery and Reception. Children are encouraged to use all their senses in hands-on exploration of natural materials and explore the natural world around them.

In Key Stage One, children will begin to follow the National Curriculum for Science. This aims to ensure that children develop key scientific knowledge and conceptual understanding and also scientific enquiry skills. The principal focus of science teaching in Key Stage 1 is to enable pupils to experience and observe phenomena, looking more closely at the natural and humanly constructed world around them. Pupils are encouraged to be curious and ask questions about what they notice.

In Key Stage One, an aspect from the Science programme of study is covered half-termly and this is also linked (where possible) to each class topic. This is planned and taught half-termly through adult directed teaching on a weekly basis.

Throughout Key Stage One, children cover Plants, Animals Including Humans, Everyday Materials, Seasonal Changes and Living Things and their Habitats.

In addition to focusing on key scientific knowledge and conceptual understanding, children are encouraged to 'Work Scientifically'. Regular opportunities are given for children to engage in Scientific enquiries and investigations and children are challenged to explain their understanding through discussion and extended writing opportunities.

During Key Stage One, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:

- Asking simple questions and recognising that they can be answered in different ways
- Observing closely, using simple equipment
- Performing simple tests
- Identifying and classifying
- Using their observations and ideas to suggest answers to questions
- Gathering and recording data to help in answering questions