

Dr. Walker's Science Curriculum

Key Stage 1

Statutory Requirements

During years 1 and 2, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:

1S1 asking simple questions and recognising that they can be answered in different ways

1S2 observing closely, using simple equipment

1S3 performing simple tests

1S4 identifying and classifying

1S5 using their observations and ideas to suggest answers to questions

1S6 gathering and recording data to help in answering questions.

Non-Statutory Guidance

Pupils in years 1 and 2 should explore the world around them and raise their own questions.

They should experience different types of scientific enquiries, including practical activities, and begin to recognise ways in which they might answer scientific questions.

They should use simple features to compare objects, materials and living things and, with help, decide how to sort and group them, observe changes over time, and, with guidance, they should begin to notice patterns and relationships.

They should ask people questions and use simple secondary sources to find answers. They should use simple measurements and equipment (for example, hand lenses, egg timers) to gather data, carry out simple tests, record simple data, and talk about what they have found out and how they found it out.

With help, they should record and communicate their findings in a range of ways and begin to use simple scientific language.

These opportunities for working scientifically should be provided across years 1 and 2 so that the expectations in the programme of study can be met by the end of year 2. Pupils are not expected to cover each aspect for every area of study.

By the end of Year 1 children will have learnt about the following topics:

- Plants
- Animals including humans
- Everyday materials
- Seasonal changes

By the end of Year 2 children will have learnt about the following topics:

- Living things and their habitats
- Plants
- Animals including humans
- Uses of everyday materials