

Eastfield Primary School



Parent information booklet

Science

Areas covered in Science

The order in which topics are covered may vary.

<u>Year</u>	<u>Autumn term</u>	<u>Spring term</u>	<u>Summer term</u>
<u>Year 1 and 2 cycle</u>	Ourselves Light and dark – using electricity	Pushes and pulls Sorting and using materials	Growing plants Variation
	Health and growth Grouping/changing materials	Forces and movement Sorting and using materials	Plants in the local environment Sounds/hearing
<u>Year 3</u>	Circuits and conductors Magnets and springs	Characteristics of materials Rocks and soils	Helping plants grow well Teeth and eating
<u>Year 4</u>	Light and shadows/solids, liquids and how they can be separated <u>Keeping warm</u>	Earth, sun and moon Friction	Habitats Moving and growing
<u>Year 5</u>	Gases around us Changing sound	Changing state Forces in action	Keeping healthy Life cycles
<u>Year 6</u>	Micro organisms Reversible and irreversible changes/More about dissolving	How we see things/changing circuits Interdependence and adaptation	

Aims & Objectives

- To develop an enquiring mind.
- To develop a scientific understanding of the world.
- To be able to ask questions that can be investigated.
- To be able to make predictions.
- To be able to make observations.
- To be able to carry out controlled and fair investigations.
- To know about living things and the processes of life.
- To be able to collect evidence, record it and begin to make conclusions.
- To know about materials.
- To know about physical processes such as electricity, gravity and space.

What are 'Science' lessons like?

Science lessons are in four main areas. Not all the areas will necessarily be covered within each lesson. The four areas are as follows:

1. Science 1: Scientific Enquiry

Children are given a question to investigate. They are required to think about how they will investigate; predictions they could make; observations they will make; how they could record the information and what conclusions could be drawn from what they have found.

2. Science 2: Life Processes and Living Things

The children learn about animal, human and plant life. They study the human body; plants; feeding relationships; and habitats.

3. Science 3: Materials and their Properties

The children learn about the similarities and differences between materials. They learn about solids; liquids and gases and their relationships between them. They begin to have an understanding of why certain materials have specific functions.

4. Science 4: Physical Processes

The children learn about simple forces such as why a car would travel faster the steeper the ramp. They develop an understanding of gravity and extend this to a study of space. They develop and understanding of circuits and electricity.

How can parents help to develop 'Science' skills?

- Encourage your child to ask questions about the world around them and to think about how they could answer those questions.
- Talk about making predictions about what is going to happen.
- Talk about the things around them describing what they see and hear.
- Ask them to make comparisons for example, 'Is that the same as...?' 'How is this different from....?'
- Encourage them to use the library or internet to develop their enquiring mind.