



Science at Meadowcroft

The National Curriculum (2014) states: *A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.*

Science in EYFS is explored through the Education Programme: Understanding the World. Specifically, the Early Learning Goal: The Natural World.

Children at the expected level of development will:

- Explore the natural world around them, making observations and drawing pictures of animals and plants.
- Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.
- Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.

Science in KS1 is taught through the following topics that cover all aspects of the National Curriculum requirements at KS1.

Year 1	My Body	Everyday Materials	Identifying Plants	Identifying Animals	Seasonal Changes
Year 2	Growth and Survival	Exploring Everyday Materials	Living in Habitats	Growing Plants	Super Scientists

Science in KS2 is taught through the following topics that cover all aspects of the National Curriculum requirements at KS2.

Year 3	Rocks, Fossils and Soils	Light and Shadow	How Plants Grow	Health and Movement	Forces and Magnets
Year 4	States of Matter	Changing Sound	Living in Environments	Eating and Digestion	Circuits and Conductors
Year 5	Properties and Changes of Materials	Earth and Space	Life Cycles	Changes and Reproduction	Forces in Action
Year 6	Healthy Bodies	Seeing Light	Classifying Organisms	Evolution and Inheritance	Changing Circuits