



Hindon Primary School

Science Overview

The curriculum follows a structured, spiral approach, enabling pupils to revisit and deepen their understanding of key scientific concepts as they progress through the school. Pupils develop secure knowledge across biology, chemistry and physics, while also strengthening their understanding of working scientifically. They learn to ask questions, plan and carry out investigations, observe carefully, gather and analyse data, and draw reasoned conclusions.

In Reception, the foundations for scientific thinking are established through the Understanding the World area of learning, where children explore, observe, ask questions and begin to make sense of the natural world around them. This early curiosity provides a strong foundation for more structured scientific learning as pupils move into Key Stage 1.

Practical enquiry lies at the heart of our science teaching. Pupils are encouraged to think critically, make predictions and reflect on their findings, developing both independence and confidence in applying their knowledge. Through this approach, pupils become curious, reflective and analytical learners, well prepared for the next stage of their education and equipped with the scientific understanding needed to engage thoughtfully with the world around them.

Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Robins Year A	Adults including Humans	Everyday Materials	Seasonal Changes	Adults including Humans	Plants	Seasonal Changes
Robins Year B	Seasonal Changes	Adults including Humans	Seasonal Changes	Plants	Seasonal Changes	Everyday Materials
Owls Year A	Rocks and Soils		Living Things and their Habitats		Light	Uses of everyday materials
Owls Year B	Animals including Humans		Plants		Working Scientifically Seasonal Changes	Forces + Magnets
Woodpeckers Year A	Electricity		States of Matter		Earth in Space	
Woodpeckers Year B	Forces		Magnets		Plants, living things and their habitats	
Woodpeckers Year C	Light		Properties and Materials		Sound	Humans and Animals