

Horningsham 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	Animals Including Humans	Seasonal Changes	Everyday Materials	Seasonal Changes	Plants	Seasonal Changes
Woodpeckers Cycle A	Animals including humans		Light		Living things and their habitats	
Woodpeckers Cycle B	Used of Everyday Materials	Rocks	Forces + Magnets		Plants	
Owls Cycle A	Animals Including Humans (Y4) Digestive, teeth, food chains	Living Things + Their Habitats (Y4 + Y6)	Evolution and Inheritance (Y6)		Properties + Changes of Materials (Y5)	
Owls Cycle B	Light	Electricity (Y4+Y6)	Living Things and Their Habitats (Y5)			
Owls Cycle C	Forces		Earth + Space	States of Matter	Animals Including Humans (Y6) Circulatory	