



Martin Primary School

SCIENCE

Curriculum aim and intent

At Martin Primary school, we understand that children are naturally curious and we encourage this inquisitive nature throughout their time with us and beyond. Science fosters a healthy curiosity in children about our universe and promotes respect for the living and non-living.

Our curriculum is designed to develop and sustain children's interest in science to show a love of learning, resilience, and curiosity. We provide every child with the opportunity to apply their scientific reasoning and investigation skills through memorable, hands-on experiences and visits to our forest area. Nursery, Reception and Year 1 have weekly visits linked to their topic of study.

Through exposure to high quality teaching and learning, we aim to support our children in their acquisition of knowledge, concepts, skills, and positive attitudes. They are immersed in scientific vocabulary, which aids their knowledge and understanding not only of the topic they are studying, but of the world around them.

The Martin Science Principles created by children, staff and governors are designed to ensure all children have a solid understanding of how and why we teach science. They link closely with our Rights Respecting agenda where everyone's ideas are respected and considered

Links to the EYFS – Knowledge and Understanding of the World

At Martin School we believe children are stimulated by the outdoors and typically experience, over time, an increase in their self-belief, confidence, learning capacity, enthusiasm, communication and problem-solving skills and emotional well-being. Every week the children in Early Years are given the opportunity to access the school's forest school. The purpose of these activities is to encourage and inspire children to explore the natural world through positive outdoor experiences. We encourage all children to have the opportunity to learn about the natural environment, how to handle risks and most importantly to use their own initiative to solve problems and cooperate with others.

Through quality outdoor learning, children are continuously making observations over time as they explore the changing seasons, plants, and animal habitats.

Science overview

Year 1	Harvest/ Seasons Where do all the Leaves go in winter? (Ongoing throughout the year)	Parts of the Body and senses What makes me so special?	Materials Which materials should the 3 little pigs use for their new houses?
Year 2		Materials Can we design a space suit for Beegu?	Living things and their habitats What can we spy in our local habitat?
Year 3		Rocks and Soils: What is under our feet?	Forces and Magnets: Are all forces a push or a pull?
Year 4	The Digestive System What happens to the food we eat?	Electricity How does electricity affect our everyday lives?	States of Matter Does water ever disappear completely?
Year 5		Forces What are the forces in motion? Space What is the relationship between the earth, moon and planets in our solar system?	Materials What are the properties of materials? (2 weeks)
Year 6	What is the job of the circulatory system?		Light up your life How light travels