

St Monica's Primary School
Science Curriculum Statement

Share and love one another.

Science involves the search for meaning and purpose in natural and physical phenomena. It is the wonder about what is special about life, an awe at the scale of living things from the smallest micro-organism to the largest tree and the interdependence of all living things and materials of the Earth. It concerns the emotional drive to know more and to wonder about the world and aesthetically appreciate its wonders including for example the enormity of space and the beauty of natural objects or phenomenon, plants, animals, crystals, rainbows, the Earth from space etc.

Together work to be like Jesus.

By caring for animals and plants, the children develop a sense of responsibility, empathy and sensitivity for living creatures.

Make people smile.

As well as teaching Science through our topics, we endeavour to create enthusiasm, by holding science days, inviting visits from various people such as the travelling zoo, a doctor and florist in school. Wherever possible, visits to museums, the farm, and the garden centre, provide further first-hand experiences.

Butterfly school kits and the chick-hatching project in Y1 are hugely popular with the children. Not only do they provide awe and wonder but they allow the children to observe various aspects of animal life, including life cycle, behaviour, interaction, growth and change.

Only teamwork can make dreams happen.

Pupils have frequent opportunities to develop their skills in, and take responsibility for, planning investigative work, selecting relevant resources, making decisions about sources of information, carry out activities safely and decide on the best form of communicating their findings.

Never stop trying.

Activities inspire the pupils to experiment and investigate the world around them and to help them raise their own questions such as “Why...?”, “How...?” and “What happens if...?”

Activities develop the skills of enquiry, observation, locating sources of information, selecting appropriate equipment and using it safely, measuring and checking results, and making comparisons and communicating results and findings.

Include everyone in all we do.

A school garden has also been developed to further enhance children’s experiences and we are in the process of developing a sensory garden this academic year.

Care for others around the world.

Through science, pupils understand how major scientific ideas contribute to technological change – impacting on industry, business and medicine and improving the quality of life. Pupils recognise the cultural significance of science and trace its world-wide development.

They learn to question and discuss science-based issues that may affect their own lives, the direction of society and the future of the world.

Aim to be the best we can be.

At St Monica's we aim to cultivate a sense of curiosity, interest and excitement about the natural world, alongside the knowledge, understanding and skills to explore it further.

Science stimulates and excites pupils' curiosity about phenomena and events in the world around them. It also satisfies their curiosity with knowledge. Because science links direct practical experience with ideas, it can engage learners at many levels. Scientific method is about developing and evaluating explanations through experimental evidence and modelling. This is a spur to critical and creative thought.