

SCIENCE

Science is a practical subject, which stimulates children's curiosity about the world they live in. The pupils at Richard Cobden use first-hand experiences and investigations to explore, discover and gain scientific knowledge. They are encouraged to investigate problems and answer scientific questions through close observation, planning, predicting and fair testing.

During their time at the school, pupils will develop the ability to record in systematic ways and draw conclusions based upon scientific knowledge. We ensure that the 'Working Scientifically' skills are built-on and developed throughout their time in primary school so that they can use equipment, conduct experiments, build arguments and explain concepts confidently whilst continuing to ask questions and be curious about their surroundings.

Wherever possible the science elements of the National Curriculum are taught in a cross curricular way through our half termly topics where important links can be made with other subject disciplines in order to strengthen and deepen pupils' knowledge and understanding. Our aim is to ensure that pupils' learning in science will foster responsible attitudes towards the environment and all living things.

Through our science curriculum we work with a range of organisations who have specialist expertise. These include The Crick Institute, Wellcome Trust, Specialist Subject Leader from the Hall School and our resident gardening teacher from Studio Cultivate. These partnerships help to embed science in everyday experiences for the children and they are able to see how science learning is applied in the wider world.

Our science curriculum results in a fun, engaging, high-quality science education that provides children with the foundations for understanding the world. Our engagement with the local environment ensures that children learn through varied and first hand experiences of the world around them. So much of science lends itself to outdoor learning and so we provide children with opportunities to experience this. Through various workshops, trips and interactions with experts, children have an understanding of the importance of science; how it has changed our lives and the important part it plays in the world's future prosperity. Children learn the possibilities for careers in science as a result of our community links and connection with national agencies such as the STEM association and The Crick Institute where they learn from and work with professionals from a range of different scientific backgrounds. Children at Richard Cobden thoroughly enjoy science, and this results in motivated learners.