

Science at Ramsbury School

We believe that Science is one of the most powerful ways to harness children's natural curiosity as well as challenging what we know about the world. Science allows us to make sense of where we live and our place in the ever-expanding universe. Science is all around us and supports our creative thought process.

Intent

At Ramsbury School, we seek to ensure that children develop scientific knowledge and conceptual understanding through the separate disciplines of biology, earth science, chemistry and physics. Scientific skills and knowledge are built on and developed throughout our children's time in our school so that they can use equipment, conduct investigations, explain concepts confidently using key words, whilst continuing with their eagerness to ask questions and be curious. Our children are actively encouraged to consider the possibility of careers in Science.

Implementation

There is a positive attitude to Science learning in our classrooms and an inherent expectation that all children are capable of achieving high standards in Science. Our curriculum has been designed so that topics are taught in progressive blocks that built on content taught previously. This is a strategy to enable a greater depth of knowledge and understanding.

Our children relish the opportunities that they are given to use their scientific skills and research to discover the answers; this curiosity is celebrated within the classroom. Precise questioning in class is used to regularly assess children and identify those with gaps or misconceptions in learning. We prioritise building upon the learning and skills of the previous years. As the children's knowledge and understanding increases and they become more proficient in selecting and using scientific equipment and collating and interpreting results, they become increasingly confident to come to their conclusions based on real evidence. These skills are used alongside an emphasis on group work and communication, consistently using technical vocabulary and challenging concepts. Science lends itself to outdoor and 'hands-on' learning, and so we provide children with opportunities to experience this, especially during Science Week. This includes strong local links, such as those with Ramsbury Estates, ARK (Action for River Kennet) and Marlborough College. Inspiring scientists are woven through the science curriculum to add relevance and personality to the subject.

Impact

This successful approach at Ramsbury School 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 within Ramsbury and further afield ensures that children learn through varied and first-hand experiences of the world around them. Children at Ramsbury are excited by, and enjoy Science, and this results in motivated learners.



The Curriculum Leader for Science is Mrs Sophie Pollock.