



SCIENCE CURRICULUM AT SUCKLEY SCHOOL

Intent	Implementation	Impact
At Suckley 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. We believe science encompasses the acquisition of knowledge, concepts, skills and positive attitudes. We would like our learners to: 1. Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics. 2. Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them. 3. Be equipped with the scientific skills required to understand the uses and implications of science today and for the future.	Teachers create a positive attitude to science learning within their classrooms and reinforce an expectation that all children are capable of achieving high standards in science. Our whole school approach to the teaching and learning of science involves the following: 1. Science will be taught in planned themes by the class teacher. This ensures that the children develop key skills and in-depth subject knowledge. 2. Through our planning, we include problem solving opportunities that allow children to find out for themselves. Children are encouraged to ask their own questions and be given opportunities to use scientific skills and research to discover answer answers. This curiosity is celebrated in the classroom. Planning involves teachers creating engaging lessons with high quality resources to aid understanding of scientific concepts. Teachers use precise questioning in class to check conceptual knowledge and skills and assess children regularly to identify those children with gaps in learning or who need more challenge. 3. Teachers build upon learning and skill development of the previous years. As the	The successful approach at Suckley School result sin fun, engaging, high quality science lessons that provides children with the foundations for understanding the world. Our engagement with the local environment and outdoor area ensures that children learn through varied and first hand experiences of the world around them. So much if the science lends itself to outdoor learning and so we provide as many experiences of this as possible. Through these experiences of the outdoors, trips, experts and stem workshops children have an understanding that science has changed our lives and I vital to the world's future. Through our experiences with Stem and our community children learn about the possibilities for careers in science.



	children's knowledge and understanding develops, and they become experts in selecting and using equipment, collating and interpreting results, the children become increasingly confident in their growing ability to come to conclusions based on real evidence. 4. Working scientifically skills are embedded into lessons to ensure these skills are being developed throughout the children's primary years and new vocabulary and challenging concepts are introduced through direct teaching. 5. Teachers demonstrate how to use scientific equipment and we use the outdoor environment where possible. The early years outdoors area and forest school site are key places where learning can take place in a real life context.	
Suckley Values: Independence, respect, honesty, kindness, determination and perseverance. • Opportunities to work independently. • Show respect for each other, animals, plants and the future of the planet. • Determination to succeed when solving problems. Kindness to our planet, each other and the world around us.		Cultural Capital: We believe that knowledge is transferable, our pupils are given every opportunity to participate in a wider range of learning experiences beyond the classroom. Through workshops, trips and interactions within the community and outdoors children understand that science has changed our lives and will change the future.



