

Science

Millfields' science curriculum provides children with a broad, balanced, and stimulating curriculum that promotes the development of scientific knowledge, skills, and attitudes. Our intention is to inspire children's curiosity and passion for Science by engaging them in exciting and meaningful experiences that foster their understanding, appreciation, and sense of wonder about the natural world. We aim to provide a Science education that is accessible, inclusive, and progressive, enabling children of all abilities and backgrounds to achieve their potential and become confident and active learners.

To achieve this, we implement a Science curriculum that is designed to meet the needs and interests of our children and is informed by the latest research and best practices in Science education. Our curriculum is structured around key concepts, skills, and experiences that are sequenced and progressive from Early Years Foundation Stage to the end of Year 4. We use a range of teaching strategies, including practical investigations, scientific enquiry and scientific language, to ensure that learners are engaged, challenged, and motivated to learn Science. We also make learning relevant and meaningful by linking Science to other areas of the curriculum and to children's real-life experiences.

Our Science teaching is supported by high-quality resources, including a well-equipped and stimulating Forest School where the children take their learning outside, enabling them to develop their practical and observational skills and to explore a range of scientific concepts. Children become confident and enthusiastic learners who are curious, reflective and independent. They use and apply scientific language accurately, and they have a strong sense of the nature and importance of Science in the world around them.

We also provide regular opportunities for children to reflect on their learning and to assess and evaluate their progress, using a range of formative assessment tools. We use this feedback to inform our Science teaching and to provide targeted support and challenge to individual learners.

Overall, our Science curriculum creates a rich and exciting learning environment that fosters children's love of Science and prepares them for a life of scientific enquiry and discovery.