



Science Intent, Implementation, Impact

<p>Intent</p>	<p>At Sandy Lane, we believe that children should be provided with a high-quality Science education that gives children the foundations they need to recognise the importance of Science in every aspect of daily life. Our curriculum will encourage children to have a curiosity about the world around them through developing their research, investigation and evaluation skills. It will encourage respect for living organisms and the physical environment. Through high quality teaching and learning experiences, children will develop their ability to predict what will happen and analyse the causes. It will provide opportunities to evaluate evidence and explain the outcome. Children will be immersed in scientific vocabulary. All children will be provided with a broad and balanced science curriculum which reflects the equality and diversity policies and practice in schools.</p>
<p>Implementation</p>	<p>Science is taught through a creative curriculum. Topics are blocked to allow children to focus on developing their knowledge and skills, studying each topic in depth. This allows the teachers to make cross curricular links to other subjects for that block, enabling the children to become fully immersed in their learning. Teachers promote enjoyment and foster interest of the scientific disciplines; Biology, Chemistry and Physics. We use the Big Idea to introduce a Scientific based question, the children then develop a range of skills and knowledge – these are set out in the I Can statements at the start of the unit of work. The children then explore, question, predict and carry out investigations and research to allow them to answer the Big Idea. Children present their findings and learning using scientific vocabulary, observations and diagrams. Throughout the topic children will review previous learning and have the opportunity to share what they already know. Teachers use highly effective assessment for learning through all lessons and regularly complete assessment grids to monitor progress and inform planning. The Big Idea is accessible to learners at all levels, encouraging children to discuss, share and ask questions about Science, promoting curiosity and deepening learning.</p>
<p>Impact</p>	<p>As a result of our clear skills progression, topic planning and quality of teaching and learning;</p> <ul style="list-style-type: none"> ● Children will have the foundations to understand the world around them. ● The children will develop enquiring minds, with an enthusiasm for Science and an interest in further study in this field.

- Children will retain knowledge that will be pertinent to Science with a real-life context.
- Children will question ideas and reflect on subject knowledge.
- They will work collaboratively and practically to investigate, research and explain.

Overall, our children will be enthusiastic Science learners and understand how important science is in the world. We want to empower our children so they understand they have the capability to change our world.

Welcome to **Sandy Lane** Primary School



A world of opportunity

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