

Science Curriculum Statement for Long Sutton C of E Primary School

Core Christian Values						
Love	Perseverance	Thankfulness	Hope	Compassion		
Learning Muscles						
Collaboration	Resilience			Reflection		
Curriculum Drivers						
Developing Independence	Oracy	Reading	Diversity	Aspiration	Community	Enquiry
Subject Drivers/principles						
Scientific knowledge and conceptual understanding taught through the disciplines of Biology, Physics and Chemistry.		Curriculum uses different types of scientific enquiry to develop understanding of the nature, processes, and methods of science.		Children will be equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.		

Intent	<p>We aim for a high-quality, inclusive science curriculum that provides the foundations for understanding the world through the specific disciplines of Biology, Chemistry and Physics. All pupils will be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a progression of skills, body of key knowledge, vocabulary, and concepts, we want children to ask questions and develop a sense of excitement and curiosity about the world around them. They are encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.</p>
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Implementation	<p>A clear 2-year rolling programme based on the Kent Primary Science Plans provides coverage in line with the National Curriculum.</p>	<p>High quality teaching ensures all children are engaged with their learning and make progress. Teachers elicit prior knowledge and plan for misconceptions.</p>	<p>Science is taught weekly throughout the year. Lessons include a retrieval activity to aid remembering. They are question based and highly practical, focussing on a different enquiry skill.</p>	<p>Teachers encourage and support children to become resilient learners, who happily persevere in science investigations. They aim for collaborative, effective learning where children develop their ability to explain results and develop conclusions.</p>	<p>Access to good quality and plentiful resources enables all children to actively participate.</p>	<p>The Science curriculum is enhanced by carefully planned trips, STEM visitors and activities , extra- curricular science based competitions and club. Regular discussions about science in real life, take place, including named Scientists.</p>
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Impact	<p>Children will have a love of science. They will be enthusiastic and motivated when talking about aspects and experiences of science. They will have a secure understanding of the key basic concepts. They will use age-appropriate key vocabulary when talking about their knowledge and skills. The children will be able to predict and pose relevant questions. Increasing independence and confidence will be shown when participating in practical activities. They will have developed their understanding of data and results. Children will show pride in their class floor book and own book. Their increased knowledge will be shown through weekly lesson retrieval tasks and pre-assessment tasks which are revisited at the end of the unit.</p>
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