



Science

Intent, Implementation and Impact Statement

Intent	Implementation	Impact
<p>At St. Paul's Academy, it is our intention to recognise the importance of science in every aspect of daily life.</p> <p>We give the teaching and learning of science the prominence it requires.</p> <p>The Scientific area of learning is concerned with increasing children's knowledge and understanding of our world, and with developing skills associated with science as a process of enquiry.</p> <p>It will develop the natural curiosity of the child, encourage respect for living organisms and the physical environment and provide opportunities for critical evaluation of evidence.</p> <p>We intend to build a science curriculum which develops learning and results in the acquisition of knowledge and build a science curriculum which, enables children to become enquiry-based learners.</p>	<p>For us to achieve this at St. Paul's C of E Academy we implement the following:</p> <p>A clear and comprehensive scheme of work in line with the National Curriculum where teaching and learning should show progression across all key stages within the strands of science.</p> <p>Children have access to key language and meanings to understand and readily apply to their written, mathematical and verbal communication of their skills.</p> <p>Children will use a range of resources to develop their knowledge and understanding that is integral to their learning and develop their understanding of working scientifically.</p> <p>Clear and comprehensive scheme of work in line with the National Curriculum where teaching and learning should plan for practical</p>	<p>At St Paul's of E Academy, most children will achieve age related expectations in science at the end of their cohort year.</p> <p>Children will retain knowledge that is pertinent to science with a real-life context.</p> <ul style="list-style-type: none"> · Children will be able to question ideas and reflect on knowledge. · Children will work collaboratively and practically to investigate and experiment. · Children will be able to explain the process they have taken and be able to reason scientifically. <p>Through workshops, educational visits and interactions with experts, children have the understanding that science has changed our lives and that it is vital to the world's future prosperity.</p> <p>Children at St. Paul's C of E Academy overwhelmingly enjoy science and this results in motivated learners with sound scientific understanding.</p>

	<p>investigative opportunities within science lessons.</p> <p>Children will reflect on previous learning and cross curricular links will be made wherever possible</p> <p>Children will be able to build on prior knowledge and link ideas together, enabling them to question and become enquiry-based learners.</p>	<p>We measure the impact of our curriculum through the following methods:</p> <p>Formative assessment including at the end of each topic, children record what they have learnt and self-evaluate their own learning.</p> <p>During this time children will reflect on what they knew at the start of the topic to assess their progress.</p> <p>Attainment will be assessed each half term through related topic assessment tasks · Where applicable links to science will be made to develop the children's topical learning.</p> <p>External validation of the the school's science provision is recognised by the achievement of the 'Primary Science Quality Mark' 2022- 2025</p>
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