

Design Technology Curriculum at Pyrford Primary School

Intent, Implementation and Impact



Intent	Implementation	Impact
<p>Design and Technology is an inspiring, rigorous and practical subject which encourages children to learn to think and intervene creatively to solve problems, both as individuals and in collaborative work.</p> <p>At Pyrford Primary School, we encourage children to use their creativity and imagination, to design and make products that solve real and relevant problems within a variety of contexts.</p> <p>Making links to designs and designers throughout history, we provide opportunities for children to critically reflect upon and evaluate their designs.</p> <p>We aim to, wherever possible, link work to other disciplines such as mathematics, science, engineering, computing and art. This gives the learning purpose and relevance to the children.</p>	<p>Through a variety of creative and practical activities, we teach the knowledge, understanding and skills needed to engage in an interactive process of designing and making:</p> <ul style="list-style-type: none"> • Design – use research and develop design criteria to design for a purpose and communicate their ideas through a range of mediums and products. • Develop the creative, technical and practical expertise needed to perform everyday tasks confidently. • Make – use a wider range of tools and equipment with accuracy and use a wider range of materials and components according to their qualities. • Understand and apply the principles of nutrition and learn about food, its source and how to cook a variety of dishes. Develop a critical understanding of its impact on daily life and the wider world. • Evaluate – evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. <p>Through this process, the aim is to develop the pupils’ technical knowledge and vocabulary in relation to structural design, mechanical and electrical systems, the integration of technology and food production and nutrition. In addition, the school aims for these tasks to be completed collaboratively and therefore links directly with the school values encouraging collaborative work.</p>	<p>As teachers, we know that every interaction with a child gives us information about how well they are doing and how else we can support their development moving forward.</p> <p>Through skilful formative assessment of children, we are able to watch them at work, question their understanding and plan for next steps.</p> <p>By providing timely and effective feedback to our pupils, they are able to be actively involved in their own learning and development.</p> <p>To assess pupils' knowledge and skills, teachers will use progression documents to assess pupils upon entry to and exit from a unit of learning.</p> <p>The impact of the curriculum is further measured through the monitoring of teaching and learning in the form of book looks, lesson visits, learning walks and pupil voice.</p>