

Our Design & Technology Curriculum

Intent	<p>Anchored in the community; a place to belong, a world to explore.</p> <p>At our school, the intent of our Design and Technology (DT) curriculum is to provide pupils with rich, practical opportunities to become creative thinkers, problem-solvers and innovators. Rooted in the National Curriculum and aligned with our whole-school curriculum intent, DT offers a dynamic platform through which children can explore their identity, understand the role of design in their local community, and appreciate their impact on the wider world.</p> <p>Our DT curriculum is driven by our core values of respect, pride, resilience, teamwork, empathy and aspiration. Through the golden threads of people, places and stories, children are encouraged to explore how design reflects human needs and experiences across cultures and time. DT helps children to value the contribution of others, celebrate diversity in design, and develop a sense of purpose and responsibility in the way they create and evaluate.</p> <p>We place special emphasis on food technology, recognising that many children need greater knowledge and skills around healthy eating and food preparation. These additional units empower pupils to make informed, healthy lifestyle choices—essential skills for lifelong wellbeing.</p>
Implementation	<p>Our DT curriculum is delivered through carefully planned, progressive units that cover the full breadth of the National Curriculum: designing, making, evaluating, and developing technical knowledge. Each unit is framed around a meaningful context, often linked to real-life challenges, our local community, or global themes, allowing pupils to explore how design impacts the world around them.</p> <p>Pupils work through a design process: investigating, planning, making, evaluating—and most importantly—reflecting on their work with resilience and pride. Lessons encourage teamwork,</p>

	<p>communication and creative thinking, fostering a collaborative classroom culture where ideas are shared and valued.</p> <p>We enrich our DT offer through the use of visitors, such as local designers, chefs, engineers and craftspeople, who bring real-world expertise and inspiration into the classroom. These experiences deepen children's understanding of how design is used in different careers and communities, and raise aspirations for future pathways.</p> <p>Our additional food technology units are woven throughout the key stages and include hands-on opportunities to grow, prepare and cook food, with a strong focus on nutrition, sustainability and seasonal produce. These lessons promote empathy for others' needs, understanding of cultural food traditions, and practical independence</p>
Impact	<p><u>Know more</u></p> <p>Pupils develop a secure understanding of the design process and the key principles of design, technology, structures, mechanisms, textiles, and food. They gain knowledge of how design and technology influence the world around them—past, present, and future—and understand how products are developed to meet human needs. Children build a growing awareness of sustainability, functionality, and aesthetics, as well as the cultural and social impact of design. They learn key technical vocabulary and concepts that enable them to articulate their ideas clearly and confidently.</p> <p><u>Do more</u></p> <p>Pupils confidently apply their knowledge and skills to design, make, and evaluate purposeful products for specific users and contexts. They use a range of materials, tools, and techniques safely and effectively, demonstrating creativity, accuracy, and perseverance. Through practical, hands-on experiences, children develop resilience and problem-solving skills as they test and refine their ideas. They collaborate successfully, listening to and learning from others, while taking pride in their individual contributions. In food technology, pupils plan, prepare, and cook dishes using fresh ingredients, showing an understanding of nutrition, hygiene, and healthy choices.</p> <p><u>Remember more</u></p> <p>Pupils retain key knowledge of materials, mechanisms, and the</p>

	<p>design process, recalling and applying this understanding in new and increasingly complex projects. They make meaningful links between their learning in DT and other curriculum areas, drawing on maths, science, and art to support their designs. Over time, children develop independence, curiosity, and a lifelong appreciation for creativity and innovation. By the end of primary school, pupils are equipped with the practical skills, critical thinking, and confidence to take their ideas forward—ready to design, make, and shape their world responsibly.</p>
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