

DT intent

At our school, we believe that Design and Technology provides children with the opportunity to become creative thinkers, innovative designers and confident problem-solvers. From Reception through to Year 6, pupils develop the knowledge, skills and understanding needed to design, make and evaluate products that address real-life needs and challenges. Through carefully sequenced learning, children build upon prior knowledge and experiences, enabling them to become increasingly independent and reflective designers.

Beginning in Reception, children explore, create and problem-solve through hands-on experiences that develop their curiosity and understanding of the designed world. As they progress through Key Stage 1 and Key Stage 2, they deepen their understanding of structures, mechanisms, textiles, food and nutrition, and electrical systems, applying their knowledge across increasingly complex projects.

We are committed to providing engaging and purposeful learning opportunities that equip children with essential life skills, including creativity, resilience, collaboration and innovation. Children are encouraged to investigate existing products, understand user needs, generate and communicate ideas, select appropriate materials and tools, and evaluate their outcomes against design criteria. Through this iterative process, pupils learn to take risks, embrace challenges and develop the confidence to learn from mistakes.

By making meaningful links across the curriculum and to the wider world, we ensure that Design and Technology remains relevant, inspiring and memorable. We aim to nurture pupils who can think critically, solve problems effectively and apply their learning in a variety of contexts, preparing them for the opportunities and challenges of the future.