

Design & Technology

Curriculum Plan



At our school, we believe that a robust design and technology curriculum is essential for nurturing the innovators of tomorrow. Our vision is to develop students' technical and practical skills, empowering them to approach tasks with confidence and creativity. We aim to build a deep knowledge and understanding of the technology that shapes our world, encouraging students to explore its possibilities and implications.

Through hands-on projects and collaborative learning experiences, our curriculum provides ample opportunities for students to critique and evaluate their own work, as well as that of their peers. This reflective practice not only enhances their design skills but also fosters a culture of constructive feedback and continuous improvement.

We are committed to creating an engaging and inclusive environment where every student feels valued and inspired to express their ideas. By integrating real-world challenges and contemporary issues into our lessons, we prepare our students to become thoughtful problem solvers who can navigate the complexities of the modern technological landscape. Together, we will inspire a passion for design and technology that lasts a lifetime.

To support staff with implementing an effective design and technology curriculum, we use 'Projects on a Page' as our scheme of work which has been developed by specialists, Design & Technology Association to support primary schools in their aim of delivering the national curriculum for design and technology.

Curriculum Overview

Year Group	Autumn	Spring	Summer
Year 1	Mechanisms Sliders & Levers	Food Fruit Smoothies	Structures Freestanding Structures
Year 2	Textiles Templates & joining techniques	Food Vegetable Wraps	Mechanisms Wheels & Axles
Year 3	Structures Shell structures using computer-aided design (CAD)	Food Sandwiches	Textiles 2D Shape to 3D product
Year 4	Mechanical Systems Pneumatics (levers and linkages)	Food Pizzas	Electrical Systems Simple programming and control
Year 5	Structures Frame Structures	Food Flapjacks	Electrical Systems Monitoring and control
Year 6	Textiles Using computer-aided design in textiles	Food Quiches	Mechanical Systems Cams (Pulleys or Gears)