



WEST BOROUGH PRIMARY SCHOOL

Design and Technology

INTENT

At West Borough Primary School, our Design and Technology curriculum inspires pupils to become innovative, creative and resourceful thinkers. Through a carefully sequenced curriculum, pupils develop the knowledge, understanding and practical skills needed to design, make and evaluate products that solve real and relevant problems. We want children to develop confidence in taking risks, learn from testing and refining ideas and become reflective learners who evaluate their own work and the work of others. Through meaningful design opportunities, pupils develop creativity, resilience and problem-solving skills whilst gaining an understanding of how Design and Technology shapes the world around them. Our curriculum is ambitious for all learners and enables children to know more, remember more and do more as they progress through the school.

IMPLEMENTATION

Design and Technology is taught through the Kapow Primary scheme and is fully aligned to the National Curriculum. Learning is organised through structures, mechanisms, electrical systems, digital world, textiles and cooking and nutrition. The curriculum follows the design process of design, make and evaluate, underpinned by the development of technical knowledge. Knowledge, vocabulary and skills are carefully sequenced to ensure progression from Year 1 to Year 6. Pupils investigate existing products, develop design criteria, generate ideas, create prototypes, select materials and evaluate finished products against their intended purpose. Oracy is developed through collaborative design discussions and evaluation activities, where pupils explain, justify and refine their ideas using technical vocabulary. Teachers provide opportunities for retrieval, practical application and purposeful outcomes while adapting learning to ensure all pupils, including those with SEND and disadvantaged pupils, can access and succeed within the curriculum.

Curriculum Overview

Year Group	Autumn	Spring	Summer
Reception	Constructing and Designing	Exploring Materials and Textiles	Structures, Mechanics and Food

			Preparation
Year 1	Structures: Stable Structures	Textiles: Simple Stitches	Mechanisms: Wheels and Axles
Year 2	Mechanisms: Levers	Cooking & Nutrition: Balanced Diet	Structures: A Chair for Bear
Year 3	Structures: Product Packaging	Digital World: Wearable Technology	Cooking & Nutrition: Eating Seasonally
Year 4	Cooking & Nutrition: Adapting a Recipe	Mechanical Systems: Mechanical Cars	Electrical Systems: Exploring Electrical Products
Year 5	Electrical Systems: Wobble Bots	Mechanical Systems: Gears and Pulleys	Structures: Bridges
Year 6	Textiles: Bags	Cooking & Nutrition: Come Dine With Me	Digital World: Navigating the World

IMPACT

By the time pupils leave West Borough Primary School, they are confident designers and makers who can apply technical knowledge, creativity and practical skills to solve problems. Pupils demonstrate increasing independence, resilience and accuracy when designing, making and evaluating products. They use subject-specific vocabulary effectively and can explain how their learning connects to the wider world. The impact of the curriculum is evidenced through pupil voice, assessment, work scrutiny, lesson visits and subject leadership monitoring. Children demonstrate pride in their learning and are well prepared for the next stage of their Design and Technology education.