

Design Technology Curriculum Map – Understanding the World We Live In

		TOPIC NAME		Programmes of Study	MAIN CURRICULUM FOCUS
KEY STAGE 1	A	Animal puppets – Yr. 1 unit	Toys	Textiles	Explore methods of joining fabric. Design and make a character-based hand puppet using a preferred joining technique, before decorating. Example theme: Storybook character.
		Moving Story Book – Yr. 1	Castles	Design and making mechanisms	Explore slider mechanisms and the movement they output, to design, make and evaluate a moving storybook from a range of templates.
		Food – Balanced Diet Yr. 2 unit	Animals and habitats	Cooking and Nutrition	Learn about the food groups (carbohydrates, proteins, fruits and vegetables, dairy, oils and spreads) to understand a balanced diet to develop a healthy wrap.
	B	Fairground wheel – yr. 2 unit	Local area	Design and making mechanisms	Design and create a functional Ferris wheel, learn how different components fit together so that the wheel rotates, and the structure stands freely.
		Textiles: Pouches	London	Structures	Learn how to sew a running stitch ready to design, make and decorate a pouch using a template.
		Fruit and Vegetables – yr. 1 unit	Animals and habitats	Cooking and Nutrition	Learn to distinguish between fruit and vegetables and where they grow. Design a fruit and vegetable smoothie and accompanying packaging.
LOWER KEY STAGE 2	A	Fastenings – Yr. 4 unit	Archology / field work	Design and making mechanisms	Analyse and evaluate a range of existing fastenings, then devise a list of design criteria to design, generate templates and make a fabric book sleeve.
		Construct a castle – Yr. 3 unit	Stone age	Designing and making structures	Identify and learn about the key features of a castle, before designing and making a recycled-material castle (structure).
		Eating seasonally – Yr. 3 unit	Healthier lifestyles	Cooking and Nutrition	Learn about various fruits and vegetables, and when, where and why they are grown in different seasons. Discover the relationship between colour and health benefits.
	B	Making cushions / Egyptian collar – Yr. 3 unit	Ancient Egypt	Textiles	Learn and apply two new sewing techniques – cross-stitch and appliqué. Utilise these new skills to design and make a cushion or Egyptian collar.
		Electrical systems posters – Yr. 3 unit	Electricity / Romans	Designing and making	Our new electric poster unit introduces children to various forms of ‘Information design’ before they are briefed to develop an electric museum display based on The Romans.
		Food – adapting a recipe- Yr. 4 unit	Journeys	Cooking and Nutrition	Work in groups to adapt an existing biscuit recipe, whilst taking into account the cost of the ingredients and other expenses against a set budget.
UPPER KEY STAGE 2	A	Pop up books – yr. 5 unit	Ancient Greece	Design and making mechanisms	Create a functional four-page pop-up storybook design, using lever, sliders, layers and spacers to create paper-based mechanisms.
		Playgrounds – yr. 6 unit	Anglo Saxons	Design and making mechanisms	Research existing playground equipment and their different forms, before designing and developing a range of apparatus to meet a list of specified design criteria.
		What could be healthier – yr. 5 unit	Local environment	Structures – Sheet Materials/Electrical systems	Discover the farm to fork process, understand the key welfare issues for rearing cattle. Compare the nutritional value of existing sauces and develop a healthier recipe.
	B	Navigating our World – yr. 6 unit	Vikings	Mechanisms	Find out about the different mechanisms are used to get the best performance. Explore how levers, pulleys, gears and hydraulics are used to steer the boat.
		Design an item of clothing (waistcoat example) Yr. 6 unit	Benin	Textiles	Using a combination of textiles skills such as attaching fastenings, appliqué and decorative stitches, design, assemble and decorate a waistcoat for a chosen purpose.

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		Come Dine with me – yr. 6 unit	Tomorrow's World	Cooking and Nutrition	Develop a three-course menu focused on three key ingredients, as part of a paired challenge to develop the best class recipes. Explore each key ingredient's farm to fork process.
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