

Waddington and West Bradford CE Primary School - Overview of Design Technology Units being covered 2026-2027

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Cooking and Nutrition - Making Soup To explore different fruits and vegetables, discussing texture, taste and appearance. To explore the interior and exterior of a pumpkin and describe the pumpkin's appearance and texture. To develop a vegetable soup recipe. To practise fine motor skills, slicing and chopping playdough To make a soup, chopping and preparing vegetables. To taste and evaluate their own soup. To investigate soup packaging. To	Seasonal Project: Hibernation Boxes To know what hibernation means, what some animal species need and why some animals hibernate. To design and make a hedgehog hibernation box.		Structures - Boats To investigate waterproof materials. To investigate floating and sinking and make predictions about floating and sinking. To learn about boats and ships, their shapes and how they move through water. To explore and play with different boats and containers to investigate the best shapes for floating. To sketch their own design ideas for a boat. To create and test boats, including using increasing cargo. To reflect on their boat and consider improvements.	Seasonal Project: Rainbow Salad To learn about fruits and vegetables and explore healthy diets. To design a rainbow salad. To prepare ingredients to create a rainbow salad. To taste and evaluate their salad.	Textiles - Bookmark To explore threading and weaving using different materials and objects including wool and paper To developing threading skills using hessian and wool To develop sewing skills, sewing with needle and thread To learn about the history of bookmarks from Victorian times, comparing them to modern day styles. To design our own bookmarks To design and sew bookmark designs using hessian and thread. To reflect and evaluate other's bookmarks.

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	design their own soup packaging.					comparing design on paper and the finished product.
Year 1	Mechanisms - Making a matching slider game Exploring sliding mechanisms. Designing a slider game. Using tools with accuracy to cut and join materials. Make and evaluate.		Cooking and Nutrition- Smoothies Opportunities for children to learn food preparation skills and greater emphasis on taste testing and ingredient choices		Structures-Stable structures Creating a pencil pot. Understand the stability of structures. Design product for a particular user. Choose best methods for joining. Evaluate final product.	
Year 2		Textiles: Pouches: Learn how to sew a running stitch ready to design, make and decorate a pouch using a template		Mechanisms: Fairground Wheel Building a rotating fairground wheel with a free-standing structure, this unit offers a simplified wheel design made from repurposed materials and an additional lesson where children design and conduct a survey to gather opinions		Cooking and nutrition: Balanced Diet Learning about the importance of a balanced diet and using that knowledge to create a tasty wrap, this unit includes new lessons with both teacher and pupil videos

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Year 3		Textiles- Cross stitch and applique (Cushion)			Structures Product Packaging	Cooking and nutrition Eating seasonally
Year 4		Structures - Pavilions		Electrical Systems - Games		Cooking and Nutrition- Adapting a Recipe
Year 5		Textiles-Stuffed Toys		Electronic Systems: Doodlers/ Wobblebots		Structures- Bridges- link to Bridges across the Amazon River
Year 6		DT- Textiles: Waistcoats		DT- Digital World: Navigating the World		DT: Structures: Playgrounds