

Design and Technology Long Term Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	<p>A greetings card with a moving part Designing, making and evaluating greetings cards with a lever and linkage, selecting a variety of materials to create a design. Purpose: Clinton's Card</p>		<p>Design and make a vehicle Designing, making and evaluating a moving car using axles, wheels and a shell frame structure. Purpose: Design a new emergency vehicle. How can it be more streamlined? Focus inventor: Henry Ford</p>		<p>Making sushi Making and evaluating a sushi product using recipes and sushi rolling technique. Purpose: Create a new vegetarian sushi product for Yo Sushi</p>	
Year 4	<p>Greek Salad Exploring, designing, making and evaluating a salad, measuring and using traditional ingredients. Purpose: A new Greek café opening in Yateley</p>		<p>Sewing Easter decorations Designing, making and evaluating a decoration, using running and/or a back stitch to sew fabric together. Purpose: Design and create a new Easter decoration for John Lewis. Focus designer: Laura Ashley</p>		<p>Warning systems Evaluate current systems and how they work to design and create a new warning system using lights and buzzers. Purpose: Create a warning system to warn the local people of an eruption at Mount Vesuvius</p>	
Year 5	<p>Textiles Upcycling old t-shirts, using different stitches to sew into cushion covers using and including techniques, patterns and embellishments. Purpose: Create a new upcycled product for H&M</p>		<p>Bread Making and evaluating a bread roll product designing and following recipes, measuring foods and using imaginative shaping/techniques. Purpose: A new bread product for Warburtons Focus manufacturer: Warburtons</p>		<p>Cams Investigating resistant materials whilst designing, making and evaluating a moving toy using a cam mechanism. Purpose: A new toy for Smyths Toy Superstore</p>	
Year 6	<p>Pulley systems Identifying what a pulley is and how it works, applying this knowledge to design and make a Christmas shop window with a pulley element which is controlled by Crumble hardware. Purpose: A new shop window for a department store</p>	<p>Pie making Exploring seasonal food and importation, adapting a recipe to meet specific dietary requirements and cooking using mixing, chopping, kneading and baking skills. Purpose: A new recipe for a supermarket</p>			<p>Emergency shelters – 3D frameworks Developing an understanding of what makes a sturdy 3D framework and applying this knowledge to design and make a strong emergency shelter. Purpose: Design a new emergency shelter suitable for an earthquake Focus engineer: John Anderson</p>	