

### Design and Technology Long Term Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	<p><b>A greetings card with a moving part</b> Designing, making and evaluating greetings cards with a lever and linkage, selecting a variety of materials to create a design  Purpose: A new Clinton's Card</p>		<p><b>Design and make a vehicle</b> Designing, making and evaluating a moving car using axles, wheels and a shell frame structure  Purpose: A new emergency vehicle. Focus inventor: Henry Ford</p>		<p><b>Making sushi</b> Making and evaluating a sushi product using recipes and sushi rolling technique  Purpose: A new vegetarian sushi product for Yo Sushi</p>	
Year 4	<p><b>Greek Salad</b> Exploring, designing, making and evaluating a salad, measuring and using traditional ingredients  Purpose: A new Greek café opening in Yateley</p>		<p><b>Sewing Easter decorations</b> Designing, making and evaluating a decoration, using running and/or a back stitch to sew fabric together  Purpose: A new Easter decoration for John Lewis. Focus designer: Laura Ashley</p>		<p><b>Warning systems</b> Evaluate current systems and how they work to design and create a new warning system using lights and buzzers  Purpose: A warning system to warn the local people of an eruption at Mount Vesuvius</p>	
Year 5	<p><b>Textiles</b> Upcycling old t-shirts, using different stitches to sew into cushion covers using and including techniques, patterns and embellishments  Purpose: A new upcycled product for H&amp;M</p>		<p><b>Bread</b> 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><b>Cams</b> 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><b>Pie making</b> 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><b>Pulley systems</b> 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><b>Emergency shelters – 3D frameworks</b> Developing an understanding of what makes a sturdy 3D framework and applying this knowledge to design and make a strong emergency shelter  Purpose: A new emergency shelter suitable for an earthquake Focus engineer: John Anderson</p>	