

## Design & Technology Long Term Plan

Materials and Mechanisms units   Textiles units   Food units   Electricals and Electronics   Cross-curricular links   *Sticky Vocabulary*

	Year 3	Year 4	Year 5	Year 6
<b>Autumn</b>	Toy Cars	Roman Catapults	Christmas Cards (incl 'Electricals and Electronics')	Bookmarks
	(linked to Forces learning in Science)	(Linked to Romans topic in CC) Bring project forward Autumn 1. Cover design throughout History in Guided Reading session/Talk Assembly.	(Linked to Art - Drawing/3D Science - Electrical Circuits C.S. R.E. – Christianity/Christmas)	(Linked to Battle Of Hastings Learning in CC)
		Light up Christmas scene		
		End of Electricity Unit Autumn 2 Science. Create simple electrical circuit to produce light/sound.		
	<i>Hacksaw, G-Clamp, bench hook, triangular support, axle</i>	<i>Hand-drill, screw, nail, hard wood, soft wood</i>	<i>Faults, battery, circuit, series, parallel.</i>	textiles, running stitch, back stitch, chain stitch, seam allowance
<b>Spring</b>	Reflective Bag Patches	Easter Bags	New Chocolate Bar – healthier alternative	Chocolate Truffles
	(Linked to Light topic in Science and road safety)		Sewing – recycling to create a bag to hold a notebook.	(Linked to Ancient Maya learning in CC)
			(Linked to PSHE Creative Curriculum – Climate Change Maths Literacy Art, Health & Physical Well-being)	<i>temperature, baking, cooking, ratios, storage.</i>
		(Linked to Easter/Christianity learning in RE) Importance of reusable bags. Link to Science and PSHE.		

	<i>Needle, thread, sew, running stitch, textiles</i>	<i>Needle, thread, sew, running stitch, textiles</i>	<i>Back stitch, chain stitch, seam allowance, spatula, hob</i>	
<b>Summer</b>	Mountain Energy Bars	Fruit Salad	Viking Long Boat	Electronic Hand Game (incl 'Electricals and Electronics')
	(Linked to Mountains topic in Creative Curriculum)	(Linked to PSHE Healthy Eating)	(Linked to Vikings topic in CC)	
			<i>Transfer, levers, pulleys, rotary motion, cams.</i>	(Linked to Electricity learning in Science)
	<i>Recipe, weigh, hygiene, scales, ingredients</i>	<i>Peel, grate, hygiene, scales, ingredients</i>		<i>Faults, battery, circuit, series, parallel.</i>

NOTE: In addition, Year 6 will take part in a whole year Materials and Construction project in which they design and make their own wooden puppet which is then used for an end of year performance.