



D&T LONG TERM PLAN

Year group	Aut 1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
Rec	Soup - Pumpkin (food) <i>Slice & chop pumpkins</i>			Junk Modelling (Structures) <i>Joining</i>		Bookmark (Textiles) <i>Threading & weaving</i>
One	Wheels and Axles (Mechanisms) <i>Wheels/axles</i>		Puppets (Textiles) <i>Joining fabric</i>			Smoothies (Food) <i>Chopping/ food prep Strawberries & Raspberries</i>
Two	Fairground Wheel (Mechanisms) <i>Axle/linkage systems</i>			Baby Bear's Chair (Structures) <i>Joints/strengthening</i>		A balanced diet-wraps (Food) <i>food groups Slicing/bridge & claw grip Spinach & onions</i>
Three		Wearable technology (Digital) <i>Programme microbit</i>	Egyptian collars (Textiles) <i>Cutting Cross stitch/ Applique</i>			Eating seasonally – savoury tarts (Food) <i>peeling/cutting Onion & potatoes</i>
Four		Adapt a recipe – Herb Biscuits (Food) <i>Budgeting Sieving /measuring Herb garden (front of school?)</i>		Torches (Electrical) <i>Circuit and switch</i>	Fastenings (Textiles) <i>Measuring /marking/ cutting fabric using a paper template/adding a fastening</i>	
Five	Wobble Bots (Electrical) <i>Series circuit with motor</i>			Bridges (Structures) <i>Measure/mark/cut wood</i>		Developing a recipe - Apple & rhubarb crumble (Food) <i>Adapting for nutritional needs Orchard and Rhubarb</i>

Six	WWII Stew (Food) <i>Writing a recipe</i> <i>Pumpkins, carrots & leftovers</i>			Automata toys (Mechanisms) <i>cam, follower and axle mechanisms</i>		Playgrounds (Structures) <i>Measuring, marking/cutting wood for a range of structures</i>
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Structures: strengthen, stiffen, reinforce (variety of materials including textiles)

Mechanical systems: gears, pulleys, cams, levers and linkages (including use of IT)

Electrical systems: series circuits, switches, bulbs, buzzers and motors (including use of IT)

Computing products: programming/monitoring/controlling - **Taught through STEM project (bi-annually Y5&6)**

Food technology: KS1 - food sources, healthy and varied diets; **KS2** – principles of healthy and varied diets, prepare and cook dishes using various techniques, food seasonality, food sources including grown/reared/caught/processed foods