

Design Technology - Long Term Plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception		Design & Technology: Explore textures		Design & Technology: Explore design		Design & Technology: To use their imagination in design
Vocabulary		<i>Soft, rough, smooth, hard</i>		<i>Buildings, structures, purpose, why</i>		<i>Role play, story-telling, express, communicate, tell, feelings, thoughts</i>
Year 1		Design and Technology: Mechanisms Slides and Levers- Making a moving storybook- Kapow		Design and Technology: Cooking and Nutrition Preparing Fruit and Vegetables Making Smoothies- Kapow		Design and Technology: Textiles – Templates and joining techniques-Puppets- Kapow
Vocabulary		<i>Lever, slider, left, right, up, down.</i>		<i>Blender, fruit, healthy, ingredients, vegetable, smoothie</i>		<i>Decorate, Fabric, Hand Puppet, Safety pin, Stencil, Template</i>
Year 2		Design and Technology: Mechanisms Wheels and Axles Fair Ground Wheels- Kapow		Design and Technology: Cooking and Nutrition A balanced diet		Design and Technology: Structures Freestanding Structures Baby Bear's Chair- Kapow
Vocabulary		<i>Function, Man-Made, Natural, Stable, Structure, Test</i>		<i>Axle, Evaluation, Ferris Wheel, Ferris Wheel Pod, Mechanism, Waterproof</i>		<i>Alternative, Balanced Diet, nutrients, Ingredients, Packaging, Sugar</i>
Year 3		Design and Technology: Digital Technology – Wearable Technology- Kapow		Design and Technology: Textiles- Cushions- Kapow		Design and Technology: Food - Healthy and varied diet Eating Seasonally- Kapow
Vocabulary		<i>Analyse, annotate, concept, control, function, initiate, stimulator, user</i>		<i>Applique, Cross-stitch, Decorate, Fabric, Patch, Running-stitch, Seam, Stencil</i>		<i>Exported, imported, Mediterranean climate, nutrients, polar climate, seasonal food, temperate, tropical climate</i>

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Year 4		Design and Technology: Structures – Pavillions		Design and Technology: Electrical Systems - Simple programming and control Torches- Kapow		Design and Technology: Mechanical Systems- Making a slingshot car
Vocabulary		<i>Cladding, frame structure, pavilion, reinforce, stable, structure, target customer, theme</i>		<i>Battery, cell, conductor, electricity, electronic item, insulator, series circuit, switch</i>		<i>Air resistance, chassis, graphics, kinetic energy, mechanism, net, structure</i>
Year 5		Design and Technology: Electrical Systems – Doodlers		Design and Technology: Mechanical Systems - Making a pop-up book- Kapow		Design and Technology: Food –What could be healthier? Kapow
Vocabulary		<i>Circuit, circuit component, configuration, current, develop, investigate, problem solve, product analysis</i>		<i>Caption, design brief, function, mechanism, input, output, pivots, sliders</i>		<i>Cross-contamination, Farm, Method, Packaging, Research, Welfare, balanced diet, nutrients</i>
Year 6		Design and Technology: Structure- Playgrounds- Kapow		Design and Technology: Digital World; Navigating the world <i>Biodegradable, boolean, environmentally friendly, finite, if statement, mouldable, product lifecycle, sustainable</i>		Design and Technology: Textiles- Waistcoats- Kapow <i>Fabric, fastening, knot, seam, sew, thread, unique, waistcoat</i>
Vocabulary		<i>Apparatus, modify, plan view, playground, prototype, reinforce, structure</i>				