



Design Technology Curriculum Map

	Autumn 1	Spring 1	Summer 1
Nursery	<u>Structures:</u> Construction kits and blocks, building homes and houses.	<u>Structures:</u> Construction kits and blocks, building homes and houses.	<u>Structures:</u> Reclaimed material modelling on large scale, outdoors.
	<u>Mechanisms:</u> Cutting, gluing & collage skills. Safe and effective use of scissors.	<u>Mechanisms:</u> Cutting, gluing & collage skills. Safe and effective use of scissors. Valentine's & Mother's Day cards	<u>Mechanisms:</u> Using tools to cut and join reclaimed material modelling. Father's Day cards.
	<u>Food:</u> Making sandwiches, vegetable pizza.	<u>Food:</u> Making Hamantaschen, Chinese stir fry, pancakes, truffles, Valentine's biscuits, sandwiches, bread, vegetable pizza.	<u>Food:</u> Tasting fruit & vegetables from around the world, observing changes due to heating & cooling (bread, eggs, chocolate) and freezing juice.
Reception	<u>Structures:</u> Use boxes and junk modelling to independently create own models. Introduce 'evaluating' their designs and constructions in Red Base creative workshop and in the Builder's Yard. Begin to ask questions: What worked well? What would you change? Adapt creative work to improve further.	<u>Structures:</u> Use the Block Play area independently and safely: plan designs for a Chinese arch, look at real photos of arches then draw designs before building with large wooden blocks and enhance with red/gold materials/loose parts. Design and make a nest to keep an egg safe using clay/playdough & natural materials.	<u>Structures:</u> Using tools and equipment with recyclable containers to make musical instruments Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.
	<u>Mechanisms:</u> Introducing media, materials and tools; finding, using and putting them away with support. Design and make clay diva lamps: introduce planning sheets to draw designs before making using clay and tools	<u>Mechanisms:</u> Strengthen scissor skills to cut independently and safely around irregular shapes. Introduce connecting skills: hole punch, treasury tags, paper clips, elastic bands to connect resources together with support, then independently.	<u>Mechanisms:</u> Make fairy wish wands by winding wool, string, ribbon around twigs/sticks, writing wishes on labels.
	<u>Food:</u> Make healthy choices at lunchtime - try new foods when staying for lunch in school, use cutlery safely and clear tray when finished.	<u>Food:</u> Taste Chinese food (stir fry, fortune cookies). Taste pancakes with a variety of toppings. Express preferences. Prepare and cook Easter 'nest' cakes with chocolate and cereal.	<u>Food:</u> 'Eat a rainbow'-choose, prepare, taste foods that are red, yellow, green, orange, purple, brown Express food & taste preferences and say why



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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<u>Mechanisms</u> Slides and Levers Moving pictures		<u>Structures</u> Freestanding Structures Playground equipment		<u>Food</u> Preparing Fruit & Vegetables Fruit Salad	
Year 2		<u>Food</u> Preparing Fruit & Vegetables Making healthy pizzas		<u>Mechanisms</u> Wheels & Axles Wheelbarrows for Easter egg race		<u>Textiles</u> Templates & joining techniques Making puppets
Year 3		<u>Mechanical Systems</u> Levers & Linkages Card with pop-up lever for Christmas		<u>Food</u> Healthy & Varied Diet Vegetable soup for the homeless		<u>Structures</u> Shell Structures (incl. CAD) Making a chocolate box
Year 4		<u>Textiles</u> 2D shape to 3D product Design and make a Christmas product		<u>Food</u> Healthy & Varied Diet Making vegetable stir fry for a family member		<u>Electrical Systems</u> Simple circuits & switches (incl. programming & control) Design & make an electrical game
Year 5	<u>Food</u> Celebrating culture & seasonality Making a pastry snack		<u>Mechanical Systems</u> Pulleys & Gears Building the fastest car		<u>Electrical Systems</u> More complex switches & circuits (incl. programming, monitoring & control) Making alarms	
Year 6	<u>Textiles</u> Combining different fabric shapes (incl. CAD) Make Do & Mend Bags		<u>Food</u> Celebrating culture & seasonality Mayan food		<u>Structures</u> Frame Structures Making a picture frame	