



Design and Technology Overview

Year	DT Project 1	DT Project 2	Flairs/Endeavours
YR	Examples include a range of Structures, Cooking and Nutrition, Textiles, 3-D design, Mechanisms: Fruit kebabs, finger puppets, junk models (rockets), making pizza, bird feeders, computer-aided design, global food), boats, peg bees, allotment fruit and vegetables, design a healthy meal, terracotta army design, winter dens for hibernating animals, moving parts cards, gingerbread men, making bread for harvest. Plan, design, make, evaluate.		
Y1	<u>Moving Pictures</u> (Mechanisms) (Scenes from Victorian Seaside)	<u>Castle Construction</u> (Structures & Mechanisms) (Castles, Drawbridges, Turrets and Walkways)	<u>Flair for Textiles:</u> Weaving, Picture Frames, Hair Clips, Bookmarks, Felt Animals <u>Flair for Gastronomy:</u> Safety, Healthy Meals, Personal Hygiene, Making Chips, Healthy Energy Bar, Smoothies, Tomato/Basil Bruschetta, Egg Muffins
Y2	<u>Flying Machines</u> (Structures)	<u>Sand Pit Pulleys</u> (Mechanisms)	<u>Flair for Textiles:</u> Weaving, Pictures Frames, Hair Clips, Bookmarks, Felt Animals <u>Flair for Gastronomy:</u> Safety, Healthy Meals, Personal Hygiene, Making Chips, Healthy Energy Bar, Smoothies, Tomato/Basil Bruschetta, Egg Muffins
Y3	<u>Trojan Horses</u> (Mechanisms & Structures) (Wheels, chassis and axles)	<u>Cook an Omelette!</u> (Cooking and Nutrition)	<u>Artisan Endeavour:</u> Construct Big Ben (Structures), Periscopes (Scientific Instruments), Balloon Cars (Mechanisms) <u>People Skills Endeavour:</u> Mini Quiches
Y4	<u>Multiple Cam Moving Toys</u> (Mechanisms)	<u>Pasta Italia!</u> (Cooking and Nutrition)	<u>Artisan Endeavour:</u> Construct Big Ben (Structures), Periscopes (Scientific Instruments), Balloon Cars (Mechanisms) <u>People Skills Endeavour:</u> Mini Quiches
Y5	<u>3D Model Vehicles</u> (Computer-Aided Design)	<u>Soup of the Day!</u> (Cooking and Nutrition)	<u>Artisan Endeavour:</u> Make a Teddy (Textiles) <u>People Skills Endeavour:</u> Baking Scones
Y6	<u>Dioramas</u> (Structures/Mechanisms/Electrical Systems)	<u>Motorised Vehicles</u> (Electrical Systems) <u>Stir Fry</u> (Cooking & Nutrition)	<u>Artisan Endeavour:</u> Make a Teddy (Textiles) <u>People Skills Endeavour:</u> Baking Scones



Design and Technology Long Term Plan

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year R	<u>Expressive Arts and Design</u> ELG: Creating with Materials Children at the expected level of development will: <ul style="list-style-type: none"> • Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. • Share their creations, explaining the process they have used. 			<u>Physical Development</u> ELG: Fine Motor Skills Children at the expected level of development will: <ul style="list-style-type: none"> • Hold a pencil effectively in preparation for fluent writing – using the tripod grip in almost all cases. • Use a range of small tools, including scissors, paint brushes and cutlery. • Begin to show accuracy and care when drawing. 		
Year 1			<u>Moving Pictures</u> (Mechanisms)			<u>Castle Construction</u> (Mechanisms/Structures)
Year 2	<u>Flying Machines</u> (Designing Structures)				<u>Sand Pit Pulleys</u> (Mechanisms)	
Year 3			<u>Cook an Omelette!</u> (Cooking and Nutrition)			<u>Trojan Horses</u> (Mechanisms)
Year 4			<u>Pasta Italia!</u> (Cooking and Nutrition)		<u>Multiple Cam Moving Toys</u> (Mechanisms)	
Year 5	<u>3-D Model Vehicles</u> (Computer-aided design)			<u>Soup of the Day!</u> (Cooking and Nutrition)		
Year 6		<u>Dioramas</u> (Mechanisms and Electrical Systems)			<u>Motorised Vehicles</u> (Mechanisms/Electrical Systems)	<u>Stir Fry</u> (Cooking and Nutrition)