



Design and Technology Long Term Plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	<p>Preparing own snack Cutting skills Box models</p>	<p>Preparing own snack Cutting skills Box models Autumnal Crowns (collecting, creating with a purpose and wearing) Cutting skills - Diwali Card Making paper chain decorations</p>	<p>Preparing own snack Cutting skills Box models</p>	<p>Preparing own snack Cutting skills Box models Easter Crafts</p>	<p>Preparing own snack Cutting skills Box models</p>	<p>Preparing own snack Cutting skills Box model toys Creating moving toys</p>
Reception	<p>Threading cards Baking - Gingerbread men Cutting skills</p>	<p>Threading cards Cutting skills Clay modelling - Diva pots Exploring materials - making kites</p>	<p>Cutting skills - chopping veg and preparing winter soup Box model toys</p>	<p>Cutting skills Easter baskets</p>	<p>Preparing own snacks Cutting skills Box model emergency vehicles</p>	<p>Preparing own snacks Cutting skills Preparing a healthy fruit salad</p>
	<p>Early Years children will have achieved the following skills by the end of Reception:</p> <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; - Make use of props and materials when role playing characters in narratives and stories. 					
Year 1		<p>Textiles - Delightful Decorations To explore a variety of Christmas decorations. To practise sewing and cutting skills. To design, create and evaluate a Christmas decoration for a tree.</p>		<p>Structures - Flying Kites To explore different kites and the materials used to make them. To create and test a carp kite.</p>		<p>Cooking and Nutrition - Teddy Bear's Picnic To learn about different types of picnic food and where they come from. To explore and taste different types of fruit and vegetables. To make and evaluate a fruit skewer and savoury picnic snack.</p>
Year 2		<p>Textiles - Puppets To investigate a range of puppets. To develop and practise sewing skills. To design, create and evaluate a hand puppet.</p>		<p>Mechanisms - Making Fire Engines To explore modern fire engines. To investigate wheels, axles and chassis. To design, create</p>		<p>Cooking and Nutrition Seaside Snacks To taste and evaluate a variety of fruits. To taste smoothies and guess the fruit used.</p>

				and evaluate a simple fire engine.		Choose and prepare fruit for your own smoothie. Make and evaluate
Year 3		<p>Textiles - Christmas Stockings</p> <p>To explore different types of Christmas stockings. To explore different ways to decorate with sewing skills. To design, make and evaluate Christmas Stockings using chosen sewing stitch.</p>	<p>Cooking and Nutrition - Healthy Toasted Sandwich</p> <p>To explore and evaluate different foods by taste and nutritional value. To learn how to use a toaster. To plan, make and evaluate a toasted sandwich.</p>			<p>Structures - Design a Miniature Greenhouse</p> <p>To explore existing greenhouses. To investigate stable structures and how to make these stronger. To plan, make and evaluate a mini greenhouse.</p>
Year 4		<p>Mechanisms - Storybooks</p> <p>To explore a variety of books with pop ups, levers and pulls. To plan, design and create a storybook which can be shared with Nursery children.</p>		<p>Cooking and Nutrition - Seasonal Food</p> <p>To investigate British ingredients which are available all year long. To look at seasonal food in Britain and recognise where food comes from. To prepare, make and evaluate soup with seasonal vegetables.</p>		<p>Textiles - Design a Sunglasses Case</p> <p>To investigate a range of sunglasses cases. To practise and compare sewing stitches. To design, create and evaluate sunglasses which have been strengthened in order to protect the glasses..</p>
Year 5	<p>Cooking and Nutrition Bread</p> <p>To investigate and evaluate different types of bread. To learn that bread products are an important part of a balanced diet. To make a bread product using their own design and evaluate.</p>			<p>Textiles - Funky Furnishings (Cushion)</p> <p>To explore different cushions looking and purpose, shape and material. To experience using a sewing machine. To prepare, create and evaluate your own cushion. - Using a sewing machine</p>		<p>Structures - Bridges</p> <p>To explore ways in which bridges can be strengthened. To develop a criteria and ensign a prototype bridge built for a purpose.</p>
Year 6		<p>Cooking and Nutrition - Vegetable stew</p> <p>To learn about, taste and evaluate some traditional dishes. To be able to follow a recipe including a method for vegetable stew / scouse</p>		<p>Electrical Systems Electric Games</p> <p>To explore a variety of electronic games. In small groups design, create and evaluate a game for young children The game should include a switch / buzzer / bulb.</p>		<p>Mechanisms - Bridges</p> <p>To build on Bridges from last year. The bridge is to now include a moving mechanism.</p>

