



Design and Technology: Long Term Plan

	Autumn	Spring	Summer	Throughout the year
EYFS	<p>Early Learning Goal: Fine Motor Control- 'Use a range of small tools, including scissors, paint brushes and cutlery'</p> <p>Development Matters 40-60 months: Manipulates materials to achieve a planned effect. Constructs with a purpose in mind, using a variety of resources. Uses simple tools and techniques competently and appropriately. Selects appropriate resources and adapts work where necessary. Selects tools and techniques needed to shape, assemble and join materials they are using. Chooses particular colours to use for a purpose. Create simple representations of events, people and objects.</p>			
	<p>In addition to Continuous Provision, the following skills are taught: How to access DT provision independently. Construction area and model making area. Children are taught how to:</p> <ul style="list-style-type: none"> • Cut accurately • Use different adhesives for different purposes (sellotape, glue stick, PVA, masking tape) 	<p>In addition to Continuous Provision, the following skills are taught:</p> <ul style="list-style-type: none"> • Using a hole punch • Making a moving model using a split pin. E.g windmill or wheeled vehicle. 	<p>In addition to Continuous Provision, the following skills are taught:</p> <p>DT- process of planning and drawing a design before making a model. (superhero gadget)</p>	<p>Food and Nutrition</p> <p>Bread making</p> <p>Gingerbread Men making</p> <p>3 Little plgs cooking with the kitchen club.</p> <p>Easter Cooking with The Kitchen Club</p>
Year 1/2 Cycle A	Mechanisms (Sliders and Levers)		Textiles (templates and joining techniques)	Food and Nutrition
Year 1/2 Cycle B	Mechanisms (wheels and Axels)		Structures (freestanding structures)	Food and Nutrition
Year 3	Structures (shell structures)	Mechanical Systems -levers and linkages	Textiles (2D shape to 3D product)	Food and Nutrition
Year 4	Structures (shell structures using CAD)	Mechanical Systems (Pneumatics)	Electrical Systems (simple programming and control)	Food and Nutrition
Year 5	Electrical Systems (monitoring and Control)	Mechanical Systems (pulleys, gears and cams)	Textiles (combining different fabric shapes)	Food and Nutrition
Year 6	Electrical Systems (more complex switches and circuits)	Structures (Frame structures)	Textiles (CAD)	Food and Nutrition