



# Design and Technology Long Term Map

	Extra Curricular	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reception		<b>Story of the Gingerbread Man</b> Junk modelling Calendar sewing Gingerbread and bread rolls		<b>Noah's Ark Animals and Boats</b> <b>Spaceships/Light Sources</b> Junk modelling Pancakes tasting		<b>Growth and healthy living</b> <b>Minibeasts</b> <b>Houses and homes</b> Junk model buildings Fruit kebab skewers paper mini beasts using split pins forming clay/salt dough with hands and tools to create mini beast models	
Year 1	Model Village	<b>Toys</b> <b>Moving pictures using flaps and levers</b> Can you explain to me how flaps and levers work? <b>Biscuits</b> Can you tell me the steps you need to follow to make biscuits?		<b>Houses and Homes UK and The Gambia</b> <b>Model villages</b> Can you tell me how to use cardboard boxes and other junk modelling to make your village?		<b>Scarborough</b> <b>Sandwiches</b> Can you explain how you made your sandwich including the cutting technique you used? <b>Bucket and spade sewing</b> Can you explain how you made your bucket and spade and the skills you used?	
Year 2		<b>Eat More Fruit &amp; Veg</b> <b>Design, make and evaluate a healthy fruit smoothie</b> Can I design and make a healthy drink?		<b>Vehicles Through Time</b> <b>Moving vehicles</b> Can I design and make a moving mechanism using an axle and wheels?		<b>Winding Mechanisms - Castles</b> <b>How pulley systems work</b> Can I make a castle with a working drawbridge? <b>Yorkshire Highfield Rascal Scones</b> What are the ingredients for a Highfield Rascal and how do I bake it?	
Year 3		<b>Life for Children in Victorian Times</b> <b>Victorian Recipes – Broccoli and cauliflower pie</b> How can I use bridge knife technique to hard foods? <b>Victoria Sponge Cake</b>		<b>Ancient Egypt</b> <b>Egyptian sarcophagus'</b> How can I make my sarcophagus open using pneumatics?		<b>Butterfly Garden</b> <b>Butterfly sewing</b> How do I sew using cross stitch and pearl stitch? <b>Ratatouille</b> How do I use a hob to sweat vegetables?	



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Year 4		<p>How do I make a creamed baking batter to make a cake?</p> <p><b>Sewing Felt Christmas Decorations</b></p> <p>How do I use thread and felt to sew using running and cross stitches?</p>		
		<p><b>Robin Hood's Bay</b></p> <p><b>Electrical lighthouse</b></p> <p>Can I light my lighthouse using a circuit and a microbit?</p> <p><b>Spicy Christmas biscuits</b></p> <p>Can I explain the steps I need to follow to make and decorate biscuits?</p>	<p><b>Invaders and Settlers</b></p> <p><b>Romans Anglo Saxons and Vikings</b></p> <p><b>Wooden Roman Siege Machines</b></p> <p>Can I design, make and evaluate my own siege machine (trebuchet) using a lever mechanism?</p>	<p><b>Allotment Harvesting Crops - Potato Salad</b></p> <p><b>Packaging</b></p> <p>Can I explain how to make a 3D box using cardboard?</p> <p><b>Potato salad</b></p> <p>Can I explain seasonality and know when and how a variety of ingredients are grown, reared, caught and processed?</p> <p>Can I explain how to use a range of techniques such as peeling, chopping, slicing and mixing?</p>
Year 5	Bridges Workshop	<p><b>Life for Children in WW2</b></p> <p><b>Anderson Shelters</b></p> <p>Can I design, make and evaluate a shelter fit for keeping people safe in WW2?</p>	<p><b>Rivers</b></p> <p><b>Bridges</b></p> <p>Can I explain how we make strong bridges?</p> <p><b>Savoury spinach and cheese muffins</b></p> <p>Can I explain how I measure out ingredients accurately and use ratios to scale up or down a recipe?</p>	<p><b>Ancient Greece</b></p> <p><b>Tzatziki</b></p> <p>Can I explain how to use a range of techniques, such as peeling, grating, chopping, slicing, mixing and kneading?</p> <p><b>Fairground Wheels</b></p> <p><b>Lego Wedo</b></p> <p>Can I create an electrical system using Lego Wedo incorporating lights, sounds and motors?</p> <p><b>Wooden Ferris Wheel</b></p> <p>Can I explain how to use an axle, pulley and gears to make a moving Ferris wheel?</p>



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Year 6	<p>Sculpture Workshop</p> <p>Inspirational talk from an electro/mechanical engineer and designer: How to become an engineer and an introduction to the design and workings of prosthetic hands.</p>	<p><b>Life for Children in Tudor Times</b> <b>Mountains</b></p> <p><b>Tudor samplers – sewing</b> Can I design, make and evaluate an appealing product that is fit for purpose?</p> <p><b>Volcano automata</b> Can I design, make an evaluate an automaton that includes a cam mechanism?</p> <p><b>Lasagne</b> Can I prepare and cook a healthy, balanced savoury dish using a range of cooking techniques?</p>	<p><b>Sculpture – Barbara Hepworth</b> <b>Pictures at the Hepworth Gallery</b></p> <p><b>Musical Instruments</b> Can I design, make and evaluate an instrument capable of performance?</p>	<p><b>Marrick</b> <b>Slippers</b> Can I design, make and evaluate a functional pair of slippers?</p> <p><b>Quiche</b> Can I prepare and cook a savoury dish using a range of cooking techniques?</p>
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