

Whole School Design and Technology Plan

Yr	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Me and My World Food Making 5 currant buns. Learning to mix/ stir and spoon ingredients between containers.	Me and My World Textiles Making fabric gingerbread houses, attaching buttons and decorations with stitches.	Vroom Vroom Food Making and tasting noodles for Chinese New Year.	Vroom Vroom Mechanisms Exploring wheels and axles. Designing and making vehicles. Food Making chocolate nests. Learning to mash, stir/mix ingredients.	Down on the Farm Food Grinding wheat to make flour for the Little Red Hen. Food Making bread flour for the Little Red Hen. Learning to mix/ stir and knead ingredients	Down on the Farm Food Visit to Farm. Finding out where food comes from. Textiles Making hand puppets for storytelling. Over stitching and joining puppet shapes.
1	Out and About with the Jolly Postman Structures Building a stable structure for the 3 Little Pigs.	Out and About with the Jolly Postman Mechanisms Exploring levers in products. Designing and making a picture with moving parts.	To Infinity and Beyond Food Astronaut training week sorting and finding out about which foods we need to keep us healthy.	To Infinity and Beyond Food Learning Bridge Hold, Fork Secure and Claw cutting methods to slice and fruits and create a fruit solar system.	Woodland Wonders Design Evaluating existing bird feeders, finding out about Green and Blue Design Company. Designing and making bird feeders.	Woodland Wonders Food Finding out which foods grow in Peter's Rabbits Garden.
2	Fire and Ice Textiles Designing and Making Christmas decorations by using stitching to join fill and decorate felt shapes.		Scales and Tales Food Designing and Making Smoothies. Reinforce cutting skills. Learn grating softer foods. Finding out about Gravy logo designer for Innocent smoothies. Designing a logo for smoothies.		Splish, Splash, Splosh Mechanisms Exploring pulleys. Designing and making a pulley system to help the Lighthouse Keeper collect his lunch.	
3	Skulls and Crossbones Textiles Designing and Making pirate money bags. Learning running stich to join fabric and stitching to attach fastenings.		Footprints in the Past Structures Investigating pyramids and other structures. Learning to add diagonal struts to make structures stronger and sturdier. Construction challenges creating sturdy structures.		An African Adventure Food Finding out about and tasting different foods that are grown in Kenya and the UK. Designing and making fruit drinks. Reinforce cutting skills. Learning how to use a simple manual juicer.	

4	<p>Heroes and Villains</p> <p>Design Responding to Kensuke's Kingdom by Michael Morpurgo. Designing and making a floating vessel that could help Michael escape from the Island.</p>	<p>Yabba Dabba Doo!</p> <p>Design Designing and making torches and flashlights. Learning to use electrical systems in products.</p>	<p>Reflecting Rivers</p> <p>Food Designing and making Fairtrade cookies. Learning to follow a simple recipe and measure ingredients.</p>
5	<p>Aiming High</p> <p>Food Learning about the main food groups and the different nutrients that are important for health.</p>	<p>Groovy Greeks</p> <p>Mechanisms Recreating a scene from the story of Odysseus. Exploring levers and linkages. Designing and making a theatre with moving parts.</p> <p>Food Tasting and evaluating Greek foods.</p>	<p>Ruling Romans</p> <p>Food Visit to Wakehurst Place to find out about seeds. Learning how ingredients are grown, reared and processed: growing potatoes and carrots and learning how to prepare them before they can be eaten.</p>
6	<p>The Battle of Britain</p> <p>Structures Anderson Shelters. Finding out about making structures more stable. Designing and making collaborative shelters outside.</p>	<p>Magical Mysteries</p> <p>Design Exploring Chindogu; Japanese inventions for everyday use. Learning about the designers that have designed and created many everyday products. Designing futuristic techno- gadgets for an episode of Doctor Who.</p>	<p>New Adventures</p> <p>Food Learning to use information on food labels to make healthy choices. Planning a series of healthy meals.</p>