

Design and Technology
Subject Coverage
Two year planning cycle

	Textiles	Food	Sliders and levers	Structures	Mechanisms
EYFS Cycle A and B	To create an item of clothing for a toy using fabric and joining it together using a running thread.	Regular cooking -children follow a simple recipe to create healthy snacks.	Continuous provision - tinkering table, children to take toys apart to find out how they work.	Continuous provision - large and small construction area. Continuous provision - woodworking bench.	Continuous provision - tinkering table, children to take toys apart to find out how they work.
Y1/2 Cycle A	<i>What does it mean to belong?</i>				
	Textiles Using two pieces of fabric and a running stitch, children create a puppet to represent themselves.	Healthy Snacks Children to plan and make healthy snacks throughout the year using the skills of - measuring, mixing, grating, cutting and peeling.	Continuous Provision Children make cards with moving parts to celebrate festivals throughout the year.	Continuous provision Children practice using a nail and hammer and screwdriver and screw to join items to a piece of wood.	Wheels and Axles Children create a wheeled toy of their own, using wheels and axles for the car to move. Real life designer - Henry Ford
Y1 / 2 Cycle B	<i>How are we changing our world?</i>				
	Children to engaging in sewing through continuous provision.	Healthy Snacks Children to plan and make healthy snacks throughout the year using the skills of - measuring, mixing, grating, cutting and peeling. Real Life Designer Study - Jamie Oliver	Moving Parts Book Children create their own version of the book Tidy with moving parts.	Building a Structure Children create mini greenhouse to help grow plants in the school grounds.	Continuous Provision Children use wheels and axles when constructing models in CP.

	Textiles – 2D shape to 3D product	Food – Healthy and varied diet	Mechanisms – Levers and linkages	Structures - Shell	Electrical systems - Simple circuits and switches
Year 3 / 4 Cycle A	<i>Should we protect our forest?</i>				
		<p>Locally sourced pizza</p> <p>Children design a pizza using locally sourced ingredients. Use school grown vegetables on pizza.</p> <p><i>Real Life Designer: Gino Dicampo</i></p>	<p>Pneumatic moving part on a poster</p> <p>Children inform people about the new forest using a poster with a moving part powered by pneumatics.</p>	<p>Box for a toy pop out of</p> <p>Children create a wooden box frame to hold a toy of their choice that pops out.</p>	
Year 3 / 4 Cycle B	<i>What if the river runs dry?</i>				
	<p>Waterproof bag for river visit</p> <p>Children use a running stitch to join and attach two pieces of fabric together to form a bag.</p>	<p>European food</p> <p>Children to design and make an energy bar for a bike ride around Europe.</p>			<p>Torch or a buzzer for a bike</p> <p>Children use electrical circuits to create a torch or buzzer and a frame to hold the light on the bike.</p> <p><i>Real life designer: Thomas Edison</i></p>

	Textiles – Combining different fabric shapes	Food – celebrating culture and seasonality	Mechanisms – Pulleys or gears	Structures - Frame	Electrical systems – more complex switches
Year 5/6 Cycle A	<i>What is the difference between surviving and living?</i>				
	<p>In autumn cycle A -fashion designing</p> <p>Real Life Designers: Vivian Westwood</p>	<p>Pancake day celebration for the school</p> <p>Children plan and design a pancake to be enjoyed by others across the school. Record a set of step by step instructions including utensils, equipment and ingredients.</p>		<p>Using a freestanding structure children create an item for the school garden. Either a bird home/feeder or greenhouse to protect growing plants.</p> <p>Real life designer: Norma Foster or Isambard Kingdom Brunel</p>	<p>Design and create a steady hand game to be used at the summer fete.</p> <p>Real life designer: Hasbro Toys</p>
Year 5/6 Cycle B	<i>Does adversity always make you stronger?</i>				
		<p>Greek food</p> <p>Children design and make a greek banquet to including greek flatbreads</p> <p>Real life designer: Joe Wicks</p>	<p>Toy car</p> <p>Children make a toy car including pulleys and gears to be sold at the summer fete.</p> <p>Real life designer: George Stephenson</p>		