

**Design Technology Long Term Plan.**

**Updated for 2022 – 2023**

Year Group	Autumn		Spring		Summer	
	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
EYFS	<p align="center"><b>Cardboard</b> Focus – Joining techniques</p>		<p align="center"><b>Textiles</b> Focus – threading / simple running stitch / weaving</p>		<p align="center"><b>Wood</b> Focus – Construction - structures using wood / cable reels etc.</p>	<p align="center"><b>Wood</b> Focus – Using basic woodworking tools safely.</p>
Year 1	<p align="center"><b>Food</b> POAP - Preparing fruit and vegetables.  Links to main topic - What can we grow in the UK?  <b>Fruit Kebabs</b></p>	<p align="center"><b>Art</b></p>	<p align="center"><b>Mechanisms</b> POAP - Sliders and Levers  Links to main topic – Is A Bat A Bird? – Animal classification.  <b>Moving pictures – Animals</b></p>	<p align="center"><b>Art</b></p>	<p align="center"><b>Structures</b> POAP - Freestanding structures  Links to class text – Goldilocks and the 3 Bears.  <b>A chair for Goldilocks</b></p>	<p align="center"><b>Art</b></p>
Year 2	<p align="center"><b>Art</b></p>	<p align="center"><b>Mechanisms</b> POAP -Wheels and axles.  Links to main topic – Castles.  <b>Castle with moving drawbridge and catapult with wheels and axles</b></p>	<p align="center"><b>Art</b></p>	<p align="center"><b>Food</b> POAP - Preparing fruit and vegetables.  Links to main topic - Chocolate.  <b>Design own Chocolate Bar</b></p>	<p align="center"><b>Art</b></p>	<p align="center"><b>Textiles</b> POAP - Templates and joining techniques  Links to main topic – Victorian Seaside (Punch &amp; Judy shows)  <b>Glove puppets</b></p>
Year 3	<p align="center"><b>Art</b></p>	<p align="center"><b>Food</b> POAP - Healthy and varied diet  Links to science topic - Healthy Eating  <b>Colourful salads</b></p>	<p align="center"><b>Art</b></p>	<p align="center"><b>Textiles</b> POAP - 2D shape to 3D product  Stand-alone unit.  <b>Pencil cases</b></p>	<p align="center"><b>Art</b></p>	<p align="center"><b>Structures</b> POAP - Shell Structures or Shell Structures using CAD  Stand-alone unit.  <b>Gift Boxes</b></p>
Year 4	<p align="center"><b>Electrical Systems</b></p>		<p align="center"><b>Mechanical systems</b></p>		<p align="center"><b>Food</b></p>	

	<p>POAP - Simple circuits and switches or Simple programming and control.</p> <p>Links to science topic – Electricity</p> <p><b>Intruder Alarm System</b></p>	<p><b>Art</b></p>	<p>POAP -Pneumatics.</p> <p>Links to history topics - Anglo-Saxons &amp; Vikings</p> <p><b>Moving Toy Boat using air power</b></p>	<p><b>Art</b></p>	<p>POAP - Healthy and varied diet</p> <p>Stand-alone unit</p> <p><b>Tasty Toasties</b></p>	<p><b>Art</b></p>
Year 5	<p><b>Art</b></p>	<p><b>Textiles</b> POAP - Combining different fabric shapes or Using CAD in textiles.</p> <p>Links to Environment topic – using recycled materials.</p> <p><b>Bags</b></p>	<p><b>Art</b></p>	<p><b>Structures</b> POAP - Frame structures and Pulleys or Gears.</p> <p>Links to science topics of Forces and Earth and Space.</p> <p><b>Space Vehicles ('Mars Rover')</b></p>	<p><b>Art</b></p>	<p><b>Food</b> POAP - Celebrating culture and seasonality</p> <p>Links to topic – Harry Potter</p> <p><b>Design a magic potion (Soups with a Spicy 'kick')</b></p>
Year 6	<p><b>Electrical systems</b> POAP - More complex switches and circuits or Monitoring and Control.</p> <p>Links to science topic – Electricity.</p> <p><b>Security or alarm system.</b></p>	<p><b>Art</b></p>			<p><b>Summer 2 Term – 2 units.</b></p> <p><b>1. Food</b> POAP - Celebrating culture and seasonality <b>Links to topic on Italy.</b></p> <p><b>Italian style bread.</b></p> <p><b>2. Mechanical systems</b> POAP – Cams Links back to Literacy text – Pip Davenport's Fairground Inventions.</p> <p><b>A Fairground Ride</b></p>	