

## Design and Technology Long Term Plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Reception</b>	Children will explore and experiment with a variety of tools, materials and techniques through the continuous provision. Children will also take part in some adult-led activities to work on skills such as fine motor and joining techniques.					
<b>Y1</b>	ART	<b>Mechanisms – Sliders and Levers</b> Moving Christmas Cards (link to Robert Sabuda)	ART	<b>Food – Preparing Fruit</b> Fruit Salad	ART	<b>Structures – Freestanding Structures</b> Animal Enclosures (link to Brunel)
<b>Y2</b>	ART	<b>Food – Balanced Diets</b> Healthy dips and dippers	<b>Mechanisms – Wheels and Axles</b> Vehicles (link to Henry Ford)	ART	<b>Textiles – Techniques</b> Practising running stitch and cross stitch (link to cotton manufacturing)	ART
<b>Y3</b>	ART	<b>Food – Diets around the world</b> American pies vs British pies	ART	<b>Mechanisms – Levers and Linkages</b> Moving Puppets	ART	<b>Textiles – 2D to 3D</b> Re-useable pouches
<b>Y4</b>	<b>Structures – Shell Structures</b> Desk Tidy	ART	<b>Electrical Systems – Simple Circuits and Switches</b> Torches (link to Thomas Edison / David Misell)	<b>Food – Mise-en-Place</b> Stuffed Peppers (link to Jamie Oliver)	ART	ART
<b>Y5</b>	<b>Food – Nutritional Value</b> Healthy Energy Bars (link to Mary Berry)	ART	<b>Textiles – Combining Different Fabric Shapes</b> Cases e.g. phone case / laptop case (link to felt manufacturing)	ART	<b>Mechanisms – Hydraulics</b> Moving Heads	ART
<b>Y6</b>	ART	<b>Food</b> Russian Meal	ART	<b>Electrical Systems – Monitoring and Control</b> Nightlights or Fairgrounds (link to Edward Holmes)	<b>Structures – Frame Structures</b> Anderson Shelters (link to W Paterson and OC Kerrison)	ART