



Design and Technology Overview 2024/25

Year group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p><u>N</u></p> <p>-Explore different materials freely, in order to develop their ideas about how to use them and what to make</p> <p>-Develop their own ideas and then decide which materials to use to express them</p> <p>-Join different materials and explore different textures</p>	<p>Design and Make table</p> <p>-Focus on using tools safely</p> <p>-Designing free standing structures in the outside area – throughout the year.</p>	<p>Design and Make table</p> <p>-Focus on using tools safely</p> <p>-Exploring different materials freely.</p> <p>Parent Workshop- Create a junk model nursery rhyme character with your child.</p>	<p>Design and Make table</p> <p>-Focus on using tools safely</p> <p>-Exploring ways to join materials</p> <p>-Discuss food linked to healthy diet and celebrations around the world – throughout the year.</p>	<p>Design and Make table</p> <p>-Focus on using tools safely</p> <p>-Choosing materials for effect</p>	<p>Design and Make table</p> <p>-Focus on using tools safely</p> <p>-Construct objects with a purpose</p> <p>Food-Baking Gingerbread Men</p>	<p>Design and Make table</p> <p>-Focus on using tools safely</p> <p>-Construct objects with a purpose</p>
<p><u>R</u></p> <p>ELGs</p> <p>-Share their creations, explaining the process they have used</p> <p>-Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function</p>	<p>Junk modelling</p> <p>Sandwich making</p> <p>-Designing free standing structures in the outside area throughout the year</p>	<p>Junk modelling</p> <p>Design and create an instrument</p> <p>Playing with electrical circuits</p> <p>Food-Gingerbread men Christmas Craft</p>	<p>Junk modelling</p> <p>Space theme – telescope/planets/rockets</p> <p>-Discuss food linked to healthy diet and celebrations around the world – throughout the year.</p>	<p>Junk modelling</p> <p>Food-Cress sandwich making</p> <p>Design binoculars</p> <p>Design a bird house</p>	<p>Junk modelling</p> <p>Underwater theme – boat/floating device</p>	<p>Junk modelling</p> <p>Dinosaur theme – pop-up/slider cards</p> <p>Creating 3D shapes with nets</p> <p>Making fruit/veg salad</p>
Year 1	<p>Textiles-</p> <p>Product: Sock Puppet</p> <p>User: Themselves</p> <p>Link: History- Toys</p>		<p>Structures-Freestanding structures</p> <p>Product: A bridge for the Billy Goat’s Gruff</p>			<p>Food- Preparing fruits and vegetables</p> <p>Product: Cold drinks (Healthy milkshakes or smoothies)</p>

	Cutting and gluing fabric shapes.		User: Toy goats/parents (performance of the story) Link: English- Billy Goats Gruff			User: customers at a seaside café. (Role-play) Link: Geography- Southend in the summer.
Year 2		Mechanisms- Sliders and Levers Product: A moving picture or book featuring a slider or a lever. User: Learners Link: Geography- London	Food- Preparing fruits and vegetables Product: A fruit salad. User: Themselves/ A Time travelling Victorian Link: History- Victorians		Mechanisms- Wheels and Axles Product: Pull along vehicle. User: Younger children. Link: History- How has travel changed over time?	
Year 3		Textiles- 2D shape to 3D product Product: Money purse/wallet to be sold in a Lake District Gift Shop User: Shopper Link- Geography- Features of the UK		Structures- Shell Structures Product: Keep safe boxes User: Themselves Link: History- how have our homes changed over time?		Food- Healthy and Varied Diet Product: Sandwiches for a picnic. User: Themselves and family members. Link: Geography- rivers. Picnic by the river?
Year 4	Food- Healthy and Varied Diet Product: A healthy Mac N Cheese Link: English			Mechanical Systems- Levers and Linkages Product: Picture book with levers and linkages about rainforests. User: Learners Link: Geography- Rainforests	Electrical Systems Simple circuits and systems. Product: Nightlight User: Themselves Links: Science- Electricity History- Life before electricity.	

Year 5	Structures- Frame Structures Product: Wooden picture frames. Link to art work.		Textiles: Combining different fabric shapes. Product: Making a hat User: Themselves			Food- Celebrating Culture and Seasonality Product: Pizzas User: Themselves and Families Link: Geography-Fairtrade
Year 6		Food- Celebrating Culture and Seasonality Product: Jamaican patties User: Themselves		Electrical systems- More Complex switches and circuits. Product: Steady Hand Game User: Themselves and family Link: Electricity		Mechanical Systems Product: Electric cars. User: Themselves Link???.