



Design and Technology Overview 2023/24

Year group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception ELGs -Share their creations, explaining the process they have used -Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function	Junk modelling Sandwich making	Junk modelling Design and create an instrument Playing with electrical circuits	Junk modelling Space theme – telescope/planets/rockets	Junk modelling Sandwich making Design binoculars Design a bird house	Junk modelling Underwater theme – boat/floating device Making fruit/veg salad	Junk modelling Dinosaur theme – pop-up/slider cards Creating 3D shapes with nets Making fruit/veg salad
Year 1	Textiles- Product: Sock Puppet User: Themselves Link: History- Toys Cutting and gluing fabric shapes.		Structures-Freestanding structures Product: A bridge for the Billy Goat’s Gruff User: Toy goats/parents (performance of the story) Link: English- Billy Goats Gruff			Food- Preparing fruits and vegetables Product: Cold drinks (Healthy milkshakes or smoothies) 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- Carson Crosses Canada			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		Mechanical Systems Product: Electric cars. User: Themselves Link???.		Electrical systems- More Complex switches and circuits. Product: Steady Hand Game User: Themselves and family Link: Electricity		Food- Celebrating Culture and Seasonality Product: Jamaican patties User: Themselves