

Levendale Curriculum overview: Design Technology

YEAR	FOOD	STRUCTURES	MECHANISMS	TEXTILES	ELECTRICAL SYSTEMS
Nursery	<ul style="list-style-type: none"> Importance of hand washing. Explore, feel, smell and taste fruits and vegetables at snack time/ meal times. Mixing and baking activities. 	<ul style="list-style-type: none"> Building towers, walls, enclosures, Uses various construction materials, e.g. joining pieces, stacking vertically and horizontally, balancing, making enclosures and creating spaces Uses tools for a purpose 	Experience of wide range of construction kits including mobilo, wooden blocks, stickle bricks	Develops their own ideas through experimentation with range of materials to express and communicate their discoveries and understanding	
Reception	<ul style="list-style-type: none"> Importance of hand washing. Explore, feel, smell and taste fruits and vegetables. Mixing and baking activities. Experience of cutting soft fruit and vegetables 	<ul style="list-style-type: none"> Creating for a purpose. Working with paper and card to make flaps and hinges. Knowledge and understanding of tools and materials to explore their interests and enquiries and develop their thinking 	Experience of wide range of construction kits including Lego blocks, wooden blocks	Develops their own ideas through experimentation with range of materials to express and communicate their discoveries and understanding	
Year 1	Preparing fruit and vegetables	Free standing structures	Sliders and Levers		
Year 2			Wheels and Axles	Templates and joining techniques, puppets	
Year 3	Healthy and varied diet		Levers and linkages	2-D shape to 3-D product Roman purse	
Year 4		Shell structures	Pneumatics		Simple circuits and switches
Year 5			Pulleys or Gears	Using computer aided design (CAD) in textiles	Simple programming and control
Year 6	Celebrating culture and seasonality	Frame structures Air raid shelters			Electrical Systems - Monitoring and control