

## Unit Overview 2024

### Design Technology



	<b>Autumn</b>	<b>Spring</b>	<b>Summer</b>
1	<u>Moving Picture</u> Concept: Mechanisms: Levers and Sliders Inspiration: JCB / Annie Atkins	<u>Preparing Fruits and Vegetables – Fruit Salad / Fruit Smoothie / wrap – Teddy Bear’s Picnic</u> Concept: Food and Nutrition Inspiration: Dr Chris and Xand / Ashley Hill / Jamie Oliver	<u>Puppets / pouches / Bag tag</u> Concept: Textiles Inspiration: Coco Channel / Cath Kidston
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2	<u>Moving vehicle / Moving story book</u> Concept: Mechanisms: Wheels and Axles / Levers & Linkages Inspiration: William Bridges Adams / Henry Cole	<u>French cuisine – Omelette</u> Concept: Food and Nutrition Inspiration: Jacques Pepin	<u>Free standing structures – shelters, houses, bridges, windmills, beach hut, chair,</u> Concept: Structures Inspiration: Isambard Kingdom Brunel
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3	<u>Healthy and varied diet / vegetarian food / bread making – The Great Bread Bake Off</u> Concept: Food and Nutrition Inspiration: Joe Wicks / Warburtons / Peter Doughty-Cook	<u>Cushions / Money container – purse/bag</u> Concept: Textiles: 2D shape to 3D shape Inspiration: William Morris / Ralph Lauren	<u>Wheeled vehicle to carry items / Moving toy</u> Concept: Mechanical systems – Axels and Wheels / Pneumatics Inspiration: Henry Ford / John Boyd Dunlop
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4	<u>Great British Dishes / Celebrating other culture cuisine – Asia</u> Concept: Food and Nutrition Inspiration: Gordon Ramsey / Ken Hom	<u>Food packaging (biscuits/crackers)</u> Concept: Structures – Shell structures Inspiration: Margaret Calvert / Robert Gair	<u>Night light / torch / light up signs</u> Concept: Electric systems – simple circuits and switches Inspiration: Thomas Edison
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5	<u>Making a cams toy for a child (particular age)</u> Concept: Mechanical systems – Pulleys and gears Inspiration: James Dyson	<u>Recycled fashion – Make do and mend</u> Concept: Textiles Inspiration: Timberland / Bethany Williams	<u>Seasonally Eating / Farm to Fork</u> Concept: Food and Nutrition Inspiration: Jamie Oliver

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6	<p><u>Being an Engineer – bridges, beams, arches, trusses</u> <u>Architecture over time</u> Concept: Structures –frame structures- tunnels, domes, bridges, castles, bird houses Inspiration: Isambard Kingdom Brunel / Sarah Buck</p>	<p><u>Fairgrounds, playgrounds</u> Concept: Electrical &amp; Mechanical Inspiration: Alexander Graham Bell</p>	