

Long-Term Plan (EYFS–Year 6)

Year Group	Autumn Term (Structures & Mechanisms)	Spring Term (Food Technology)	Summer Term (Textiles / Electrical Systems)
EYFS	Building and Creating – exploring construction with blocks and recycled materials. Skills: joining, balancing, imagining structures.	Exploring Food – preparing fruit and vegetables. Skills: cutting safely, tasting, naming foods, hygiene awareness.	Designing and Making – constructing models inspired by everyday objects. Skills: planning, selecting tools, creativity.
Year 1	Moving Pictures – designing levers and sliders for story scenes. Skills: cutting, assembling, testing simple mechanisms.	Fruit Salads – exploring healthy eating and preparing food inspired by chefs like Jamie Oliver. Skills: peeling, cutting, mixing safely.	Textile Faces – sewing simple fabric pieces to create character puppets. Skills: threading, joining, decorating fabric.
Year 2	Bridges and Towers – designing stable structures inspired by Isambard Kingdom Brunel. Skills: building strength, joining materials, testing stability.	Balanced Diets – preparing sandwiches and wraps inspired by nutritional principles. Skills: measuring, spreading, combining ingredients.	Moving Vehicles – designing toy cars using wheels and axles. Skills: assembling, testing movement, evaluating performance.
Year 3	Castles and Catapults – creating structures with levers and linkages. Skills: measuring accurately, strengthening joints, testing mechanisms.	Seasonal Cooking – baking bread or scones using simple recipes. Skills: kneading, weighing, following steps, hygiene.	Textiles: Cushions – designing and sewing decorative cushions inspired by William Morris. Skills: stitching, pattern creation, evaluation.
Year 4	Pneumatic Monsters – designing moving creatures using air pressure. Skills: creating mechanical systems, testing prototypes, refining designs.	International Dishes – exploring ingredients and cooking simple meals from around the world. Skills: food preparation, combining flavours, evaluating taste.	Electrical Torches – designing and making torches inspired by Thomas Edison. Skills: circuit building, design for purpose, testing safely.

Year 5	<p>Bridge Engineering – designing and testing truss bridges inspired by Gustave Eiffel.</p> <p>Skills: measuring precisely, reinforcing joins, evaluating strength.</p>	<p>Healthy Snacks – creating energy bars inspired by nutritional guidelines.</p> <p>Skills: combining ingredients, considering texture, packaging design.</p>	<p>Textiles and Patterns – creating fabric phone cases inspired by cultural designs.</p> <p>Skills: cutting templates, accurate stitching, applying fastenings.</p>
Year 6	<p>Fairground Rides – designing motorised rides using gears and pulleys inspired by innovators like Dyson.</p> <p>Skills: using motors, assembling structures, teamwork.</p>	<p>Celebration Meals – designing menus and preparing dishes inspired by seasonal foods.</p> <p>Skills: planning, cooking safely, presenting food attractively.</p>	<p>Architecture and Innovation – designing sustainable buildings inspired by architects like Zaha Hadid.</p> <p>Skills: modelling, creative thinking, evaluation.</p>