



Our Design and Technology Journey At St. Mary's Catholic Primary School

TEXTILES

Functional and aesthetic designs, advanced stitching, stitching for decoration, secure fastenings,

MECHANISMS AND

MECHANICAL SYSTEMS

Cam mechanisms, rotary motion, linear motion

ELECTRICAL SYSTEMS

Moving parts, rotation, pulley and belt systems, electrical circuits with motors, strengthening and reinforcing, frameworks

UKS2

TEXTILES

Running stitch, back stitch, fastenings, embellishments

STRUCTURES

Free-standing structures, strong and stable structures, strengthening and joining

MECHANISMS AND MECHANICAL SYSTEMS

Pneumatic systems, joining and fixing

STRUCTURES

Exploded 3D diagrams, woodwork skills, safety precautions

COOKERY AND NUTRITION

Nutrition facts, follow recipes, measure and mix ingredients, matching sides and sauces

ARCHITECTURE

Beam bridges, beams, pillars, truss bridges, arch bridges, tension and compression, suspension bridges

LKS2

COOKERY AND NUTRITION

Food groups, combinations of ingredients, tastes and textures, present food in an appealing way

ELECTRICAL SYSTEMS

Circuit, LED bulbs, fitting components onto a product

ARCHITECTURE

Stable structures, choosing suitable materials, joining materials

TEXTILES

Using templates, putting components together, running stitch, over stitch, attach buttons

COOKERY AND NUTRITION

Food groups, healthy and unhealthy, toppings, balanced diet, working safely, working hygienically, following health and safety procedures

KS1

MECHANISMS AND MECHANICAL SYSTEMS

Sliding mechanisms, lever, pivot, wheel mechanisms

ARCHITECTURE

Joining materials, making structures stronger, hinges

STRUCTURES

Combining materials, strengthening models, labelled diagrams

Sharing creations, explaining their process

Experimenting with colour, design, texture, form and function

EYFS

Safely using and exploring a variety of materials, tools and techniques

Healthy diets, where food comes from