



Burstwick Community Primary School

Design Technology Long Term Plan 2025-2027

2025-2026 Cycle 1	Autumn		Spring		Summer	
EYFS	Materials <i>*Sculptures – Expressive Arts & Design link</i> <i>*Evaluate best materials (playdough, plasticine, clay, paper mache)</i>		Mechanisms: Split Pin Animal <i>*use a range of fixings (e.g. split pins, treasury tags, different glues, hole punch)</i>	Textiles: threading with large eyed plastic needles and paper/ribbon weaving <i>*using a range of tools</i>	Food and nutrition: using a knife to spread; use simple utensils to chop <i>*handling tools</i>	Structure: junk modelling <i>*Sculptures – Expressive Arts & Design link</i> <i>*joining and evaluating materials</i>
Year 1/2	Materials <i>*Science – Materials</i> How can you waterproof a hat?	Food and Nutrition <i>*Science – Living things</i> What does healthy mean?	Mechanisms How can you make a picture move?	Textiles How can you repurpose an item of clothing?	Food and Nutrition How healthy is your food?	Structures How strong is a piece of paper?
Year 3/4	Food and Nutrition What's really in your food?	Mechanisms What are lever and linkage mechanisms?	Electrical Systems <i>*Science – Electricity</i> How useful are switches?	Structures Which shapes will give a structure stability?	Textiles How can we fasten in different ways?	Food and Nutrition <i>*Science – Animals including humans</i> How can we have a healthy and varied diet?
Year 5/6	Food and Nutrition <i>*Writing – Discursive writing and speeches</i> Can street foods save us?	Mechanisms How do pulleys and gears let you see the world?	Electrical Systems <i>*Science – Electricity</i> Can switches perform more than one function?	Food and Nutrition Does food affect the way you feel?	Structure How strong is a piece of spaghetti?	Textiles How can we reduce, recycle and repurpose?

2026-2027 Cycle 2	Autumn		Spring		Summer	
EYFS	Materials and Structures		Mechanisms: joining materials		Textiles: weaving using different materials	Food & Nutrition: introducing skills
Year 1/2	Mechanisms Are bigger wheels always better?	Structures How can you stop a tower from toppling over?	Food and Nutrition <i>*Science – Animals including humans</i> How does food affect your senses?	Materials Can you build with bread?	Textiles <i>*Geography – hot and cold places</i> How can fabrics be joined together? (puppets)	Food and Nutrition <i>*Science – Animals including humans</i>
Year 3/4	Textiles How can fabric be stiffened?	Food and Nutrition <i>*Science – Animals including humans</i> What do we mean by a balanced diet?	Mechanisms <i>*Science – Forces and magnets</i> <i>Writing – Instructions</i> How can you do a lot of work with little effort? (linkages and levers)	Food and Nutrition <i>*Science – Animals including humans</i> How does food affect your body and mind?	Systems How are things powered?	Structures What makes a bridge strong? <i>*History – Romans</i>
Year 5/6	Food and Nutrition Why are our diets so different?	Systems <i>*Computing - coding</i> How can we keep ourselves safe on the road?	Textiles <i>*Writing – Formal Letters</i> Which fabric is ideal for creating a functional waterproof item?	Mechanisms <i>*Science – Forces</i> How can you lift a car onto a roof?	Structures How are frames strengthened, reinforced and made rigid?	Food and Nutrition <i>*Geography – Biomes</i> What can you learn from different cultures' diets?