

At Buckton Vale we use the Kapow Design and Technology scheme of work.

Below is a list of the key vocabulary that is covered across the Design and Technology scheme of work. Each year group has three main units of learning with specific language. UKS2 is on a two-year cycle (due to a mixed age class) and this document outlines vocabulary for both years of the cycle.

Year/Units	Structures: Junk Modelling	Cooking and Nutrition	Seasonal Projects	Structures: Boats
EYFS	Join, tick, cut, bend, slot, scissors, measure, materials, fix	Not linked to Kapow. Through children's interests, topics and themes	Spring - Flower Threading: thread, punch, pinch, push, pull, through, under, over, up, down, pattern Easter - Hanging Egg Decoration: design, plan, create, Easter, egg, chocolate, Jesus, Christian, Bible, pattern, colour, shape	Waterproof, absorb, prediction, variable, experiment, investigation, float, sink, junk

Year/Units	Mechanical Systems: Wheels and Axles	Textiles: Puppets	Cooking and Nutrition: Smoothies
Year 1	Axle, axle holder, chassis, design, evaluation, fix, mechanic, mechanism, model, test, wheel	Decorate, design, fabric, glue, model, hand puppet, safety pin, staple, stencil, template	Blender, fruit, healthy, ingredients, recipe, smoothie, vegetable, seed, root, leaf, stem, flavour, design, cut, juice, table knife, juicer, plant, bush, tree, vine, chopping board, fork, taste, select, blend, evaluate, compare

Year/Units	Structures: Baby Bear's Chair	Mechanical Systems: Making a Moving Monster	Cooking and Nutrition: Balanced Diet
Year 2	Function, man-made, mould, natural, stable, stiff, strong, structure, test, weak	Evaluation, input, lever, linear motion, linkage, mechanical, mechanism, motion, oscillating motion, output, pivot, reciprocating motion, rotary motion, survey	Appearance, balanced, carbohydrates, combination, dairy, design, design brief, diet, feel, grate, grater, menu, oils, prepare, proteins, review, scissors, smell, snip, spread, spreads

Year/Units	Structures: Constructing a Castle	Cooking and Nutrition: Eating Seasonally	Digital World: Wearable Technology
Year 3	2D shapes, 3D shapes, castle, design criteria, evaluate, façade, feature, flag, net, recyclable, scoring, stable, strong, structure, tab, weak	Evaluation, input, lever, linear motion, linkage, mechanical, mechanism, motion, oscillating motion, output, pivot, reciprocating motion, rotary motion, survey	Analogue, analyse, annotate, badge, CAD, control, design criteria, develop, digital, digital revolution, digital world, display, electronic, fastening, feature, feedback, form, function, initiate, layers, loops, micro:bit, monitor, net, point of sale, product, product concept, program, sense, simulator, smart, technology, test, user

Year/Units	Structures: Pavilions	Mechanical Systems: Making a slingshot car	Electrical Systems: Torches
Year 4	Aesthetic, cladding, design criteria, evaluation, frame structure, function, inspiration, pavilion, reinforce, stable, structure, target audience, target customer, texture, theme	Aesthetic, air resistance, chassis, design, design criteria, function, graphics, kinetic energy, mechanism, net, structure	Battery, bulb, buzzer, cell, component, conductor, copper, design criteria, electrical item, electricity, electronic item, function, insulator, series circuit, switch, test, torch, wire

Year/Units	Mechanical Systems: Making a pop-up book	Cooking and Nutrition: Developing a recipe	Electrical Systems: Doodlers
Year 5, Year 5/6 and Year 6 2024-2025	Aesthetic, computer-aided design (CAD), caption, design, design brief, design criteria, exploded-diagram, function, input, linkage, mechanism, motion, output, pivot, prototype, slider, structure, template	Abattoir, adaptation, balanced, beef, brand, cook, cross-contamination, develop, enhance, equipment, farm, label, measure, nutrient, nutrition, nutritional value, preference, press, process, safety, theme	Circuit component, configuration, current, develop, DIY, investigate, motor, motorised, problem solve, product analysis, series circuit, stable, target user

Year/Units	Structures: Playgrounds	Textiles: Waistcoats	Digital World: Navigating the world
Year 6 2025-2026 if there is no mixed UKS2 class	Adapt, apparatus, bench hook, cladding, coping saw, design, dowel, evaluation, feedback, idea, jelutong, landscape, mark out, measure, modify, natural materials, plan view, playground, prototype, reinforce, sketch, strong, structure, tenon saw, texture, user, vice, weak	Accurate, adapt, annotate, design, design criteria, detail, fabric, fastening, knot, properties, running-stitch, seam, sew, shape, target audience, target customer, template, thread, unique, waistcoat, waterproof	3D CAD, application (apps), biodegradable, boolean, cardinal compass, client, compass, concept, convince, corrode, duplicate, environmentally friendly, equipment, feature, finite, function, functional, GPS tracker, if statement, infinite, investment, lightweight, loop, manufacture, materials (wood, metal, plastic etc.), mouldable, navigation, non-recyclable, product lifecycle, product lifespan, program, recyclable, smart, sustainable, sustainable design, unsustainable design, variable, workplane