

Design and Technology Curriculum Vocabulary

At Buckton Vale we use the Kapow Design and Technology scheme of work (combined Art and DT: Long Term Plan).

Below is a list of the key vocabulary that is covered across the Design and Technology scheme of work. Key vocabulary consists of words the pupils are expected to retain and reuse in future units. Understanding these words enhances comprehension of the subject and supports progression in technical knowledge, design thinking and making skills. Each year group has three main units of learning with specific language.

Year/Units	Structures: Junk Modelling	Textiles: Book marks	Structures: Boats
EYFS	Join, stick, cut, bend, slot, scissors, measure, materials, fix	Thread, weave, pattern, sew, sewing needle, embroider, design, evaluate	Waterproof, absorb, prediction, variable, experiment, investigation, float, sink, junk

Year/Units	Structures: Stable Structures	Textiles: Puppets	Cooking and Nutrition: Smoothies
Year 1	Better, cut, design, dislike even, explain, freestanding, join, like, product, stable, structure, unstable, user, worse	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	Mechanisms: Making a Moving Monster	Mechanisms: Fairground Wheel
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: Helmets	Mechanical Systems: Mechanical cars	Electrical Systems: Torches
Year 4	Analyse, effective, iteration, reflect, strengthen	Bearing, chassis, force, machine, mechanism, prototype, target audience	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: Wobble bots
Year 5	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	Wobble bots, annotate, assemble, electrical component, motor

Year/Units	Structures: Playgrounds	Textiles: Bags	Digital World: Navigating the world
Year 6	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	Innovative, pattern piece, seam allowance	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