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| **Design and Technology - Key vocabulary** |
| **Year group** | **Topic 1****Food**  | **Topic 2****Mechanisms**  | **Topic 3** **Structure**  | **Topic 4** **Textiles** | **Topic 5** **Mechanisms 2** |
| **Yr 1** |  **Fruit and vegetables** **blender, carton, fruit, healthy, ingredients, peel, peeler, recipe, slice, smoothie, stencil, templet, vegetable** | **Making a moving story book****assemble, design evaluation, mechanism, model, sliders, stencil, target audience, template, test**  | **Constructing a windmill client, design, evaluation, net, stable, strong, test, weak, windwill** | **Puppets** **decorate, design, fabric, glue, model, hand puppet, safety pin, staple, stencil, template** | **Wheels and axles** **axle, axle holder, chassis, design, evaluation, fix, mechanic, mechanism, model, test, wheel** |
| **Yr 2** | **A balanced diet** **alternative, diet, balanced diet, evaluation, expensive, healthy, ingredients, nutrients, packaging, refrigerator, sugar, substitute** | **Making a moving monster evaluation, input, lever, linear motion, linkage, mechanical, mechanism, motion, oscillating motion, output, pivot, reciprocating motion, rotary motion, survey**  | **Baby Bear’s chair** **function, man-made, mould, natural, stable, stiff, strong, structure, test, weak**  |  **Pouches** **accurate, fabric, knot, pouch, running-stitch, sew, shape, stencil, template, thimble**  | **Fairground wheel** **axle, decorate, evaluation, ferris wheel, mechanism, stable, strong, structure, test, weak**  |
| **Yr group** | **Topic 1: Food** | **Topic 2: Mechanisms** | **Topic 3: Structure** | **Topic 4: Textiles** | **Topic 5: Electrical system**  |
| **Yr 3** | **Eating seasonally** **climate, dry climate, exported, imported, mediterranean climate, nationality, nutrients, polar climate, recipe, seasonal food, seasons, temperate climate, tropical climate** | **Pneumatic toys** **exploded-diagram, function, input, lever, linkage, mechanism, motion, net, output, pivot, pneumatic system, thumbnail sketch** | **Constructing a castle** **2D shapes, 3D shapes, castle, design criteria, evaluate, façade, feature, flag, net, recyclable, scoring, stable, strong, structure, tab, weak** | **Cushions****accurate, applique, cross-stitch, cushion, decorate, detail, fabric, patch, running-stitch, seam, stencil, stuffing, target audience, target customer, template**  | **Static electricity** **attract, component, constructive-critism, design criteria, electrostatic, evaluation, feedback, motion, repel, target audience, test**  |
| **Yr 4** | **Adapting a recipe** **adapt, budget, equipment, evaluation, flavour, ingredients, method, net, packaging, prototype, quantity, recipe, target audience, unit of measurement, utilities** | **Making a Slingshot car** **aesthetic, air resistance, chassis, design, design criteria, function, graphics, kinetic energy, mechanism, net, structure**  | **Pavilions** **aesthetic, cladding, design criteria, evaluation, frame structure, function, inspiration, pavilion, reinforce, stable, structure, target audience, target customer, texture, theme** | **Fastenings** **aesthetic, assemble, book sleeve, design criteria, evaluation, fabric, fastening, mock-up, net, running-stitch, stencil, target audience, target customer, template**  | **Torches** **battery, bulb, buzzer, cell, component, conductor, copper, design criteria, electrical item, electricity, electronic item, function, insulator, series circuit, switch, test, torch, wire**  |
| **Yr 5** | **What could be healthier?** beef, cross-contamination, diet, ethical issues, farm, healthy, ingredients, method, nutrients, packaging, reared, recipe, research, substitute, supermarket, vegan, vegetarian welfare | **Make a pop-up book** aesthetic, computer-aided-design (CAD), caption, design, design brief, design criteria, exploded-diagram, function, input, linkage, mechanism, motion, output, pivot, prototype, slider, structure, template  | **Bridges** abutment, accurate, arched bridge, beam bridge, compression, coping saw, evaluation, file, forces, mark out, measure, predict, reinforce, research, right-angle, sandpaper, set square, shape, strong structure, suspension bridge, tenon saw, tension, test, truss bridge, weak  | **Stuffed toys** accurate, annotate, appendage, blanket-stitch, design criteria, detail, evaluation, fabric, sew, shape, stuffed toy, stuffing, template  | **Electronic greetings cards** battery, buzzer, circuit, component, conductor, copper, design, design criteria, function, graphite, innovative, insulator, LED, modify, parallel circuit, series circuit, switch, target audience, test, wire |
| **Yr 6** | **Come dine with me**accompaniment, adjective, caption, collaboration, cookbook, cross-contamination, equipment, farm, flavour, illustration, imperative verb, ingredients, method, nationality, preparation, processed, reared, recipe, research, storyboard, target audience, top-tips, unit of measurement  | **Automata toys**accurate, assembly-diagram, automata, axle, bench hook, cam, clamp, component, cutting list, diagram, dowel, drill bits, exploded-diagram, finish, follower, frame, function, hand drill, jelutong, linkage, mark out, measure, mechanism, model, research, right-angle, set square, tenon, saw  | **Playgrounds** 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  | **Waistcoats** 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  | **Steady hand game**assemble, battery, battery pack, bulb, bulb holder, buzzer, circuit, circuit symbol, component, conductor, copper, design, design criteria, evaluation, function, insulator, LED, magnetic field, net, perspective drawing, plan, pliers, prototype, series circuit, side view, steady hand game, switch, symmetrical, target audience, test, top view, wire cutters  |

