

Design Technology Vocabulary Progression Grid

This document sets out FS, KS1 and KS2 Art vocabulary under the EYFS Development Matters and National Curriculum. The tables can be used to check pupils' understanding of new vocabulary introduced from FS-Y6. The lists are intended as a guide as to what pupils should know and are not exhaustive. Key terms may be introduced earlier as a challenge for our learners,

Foundation Stage	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<u>22-36mths</u> Build, block, stick, glue, paint, draw	<u>Generating ideas, making, and Evaluating</u> Planning, investigating design, evaluate, explore,	<u>Generating ideas, making, and Evaluating</u> investigating, planning, design, make, evaluate, user, purpose, ideas, design criteria, product, function, measure, met, assemble, fold, scoring, joins, sliding lid, push on lid, added hinge, padding, layers, dividers, drawers, illustrate, stretch, wrap, spin, attach, test, bend, cut,	<u>Generating ideas, making, and Evaluating</u> user, purpose, design, model, evaluate, prototype, annotated sketch, functional, innovative, investigate, label, drawing, function, planning, design criteria, annotated sketch, appealing, assemble, scoring, joins, sliding lid, integrated hinge, push on lid added hinge, padding, layers, dividers, drawers, illustrate, make,	<u>Generating ideas, making, and Evaluating</u> Evaluating, design brief design criteria, innovative, prototype, user, purpose, function, prototype, design criteria, fit for purpose, innovative, appealing, design brief, planning, annotated sketch, sensory evaluations, design, make, evaluate, improve, modify, plan, procedures, weave, prepare,	<u>Generating ideas, making, and Evaluating</u> design decisions, functionality, authentic, user, purpose, design specification, design brief, innovative, research, evaluate, design criteria, annotate, evaluate, mock-up, prototype, design, make, file, investigate, analyse, functional components, properties, strength, structures, improve, permanent, temporary, drilling, cable clips, clothes	<u>Generating ideas, making, and Evaluating</u> design decisions, functionality, authentic, user, purpose, design specification, design brief, innovative, research, evaluate, design criteria, annotate, evaluate, mock-up, prototype, make, evaluate, generate, develop, model, annotate, shaping, stiffen, reinforce, aesthetic qualities, consider, scale, clarify, viewpoints, computer aided design, chassis, working model,
<u>30-50 mths</u> Stack, space, balance, model, fold, bend, fasten	construct, make, user, purpose, ideas, product, cut, measure, glue, net, fold, lid, sides, joins, corner, decorate, stick, twist, poke, model, stronger, stable, card, scissors, roll, tube, paint, glue hygiene, inventors, designers	construct, make, user, purpose, ideas, design criteria, product, function, measure, met, assemble, fold, scoring, joins, sliding lid, push on lid, added hinge, padding, layers, dividers, drawers, illustrate, stretch, wrap, spin, attach, test, bend, cut,	annotated sketch, functional, innovative, investigate, label, drawing, function, planning, design criteria, annotated sketch, appealing, assemble, scoring, joins, sliding lid, integrated hinge, push on lid added hinge, padding, layers, dividers, drawers, illustrate, make,	prototype, user, purpose, function, prototype, design criteria, fit for purpose, innovative, appealing, design brief, planning, annotated sketch, sensory evaluations, design, make, evaluate, improve, modify, plan, procedures, weave, prepare,	specification, design brief, innovative, research, evaluate, design criteria, annotate, evaluate, mock-up, prototype, design, make, file, investigate, analyse, functional components, properties, strength, structures, improve, permanent, temporary, drilling, cable clips, clothes	specification, design brief, innovative, research, evaluate, design criteria, annotate, evaluate, mock-up, prototype, make, evaluate, generate, develop, model, annotate, shaping, stiffen, reinforce, aesthetic qualities, consider, scale, clarify, viewpoints, computer aided design, chassis, working model,
<u>40-60mths</u> Construct, join, fringe, tear, scrunch, link, insert, slot, tab, design, draw,						

create, materials, assemble, media, tools, glue, tape, scissors, safety		straight edge, hole punch, stapler, finish, chefs, engineers, manufacturers, existing products	instructions, measurements, construct, net, cubes, sizes, support, fixed axel, freely, wheels, simple pully, horizontal, raise, gears that turn	apply, research, discuss, explore, compare, cross section, exploded diagram, load, horizontally, gears, mesh, right angles, hacksaw, bench hook, linkage	pegs, drive systems, motor, back stitch, blanket stitch, running stitch, buttons	control, pivoting axle, belt, pulley system, 90 degrees, rotation, reverse, alter, teeth (gear), speed
Food Ingredients, cut, slice, peel, chop, cut, roll, bake, taste, fruit and vegetable names, sensory vocabulary e.g. soft, juicy, crunchy, sweet, sticky, smooth, sharp, crisp, sour, hard flesh, skin, seed, pip, core, slicing, peeling, cutting, squeezing, healthy diet, choosing, ingredients, safety hygiene. planning, investigating	Food fruit and vegetable names, names of equipment and utensils sensory vocabulary e.g. soft, juicy, crunchy, sweet, sticky, smooth, sharp, crisp, sour, hard flesh, skin, seed, pip, core, slicing, peeling, cutting, squeezing, healthy diet, choosing, ingredients, safety hygiene. planning, investigating	Food fruit and vegetable names, names of equipment and utensils sensory vocabulary e.g. soft, juicy, crunchy, sweet, sticky, smooth, sharp, crisp, sour, hard flesh, skin, seed, pip, core, slicing, peeling, cutting, squeezing, healthy diet, choosing, ingredients safety	Food name of products, names of equipment, utensils, techniques and ingredients texture, taste, sweet, sour, hot, spicy, appearance, smell, preference, greasy, moist, cook, fresh, savoury, hygienic, edible, grown, reared, caught, frozen, tinned, processed, seasonal, harvested healthy/varied diet	Food name of products, names of equipment, utensils, techniques and ingredients texture, taste, sweet, sour, hot, spicy, appearance, smell, preference, greasy, moist, cook, fresh, savoury, hygienic, edible, grown, reared, caught, frozen, tinned, processed, seasonal, harvested healthy/varied diet	Food ingredients, yeast, dough, bran, flour, wholemeal, unleavened, baking soda, spice, herbs fat, sugar, carbohydrate, protein, vitamins, nutrients, nutrition, healthy, varied, gluten, dairy, allergy, intolerance, savoury, source, seasonality utensils, combine, fold, knead, stir, pour, mix, rubbing in, whisk, beat, roll out, shape, sprinkle, crumble	Food ingredients, yeast, dough, bran, flour, wholemeal, unleavened, baking soda, spice, herbs fat, sugar, carbohydrate, protein, vitamins, nutrients, nutrition, healthy, varied, gluten, dairy, allergy, intolerance, savoury, source, seasonality utensils, combine, fold, knead, stir, pour, mix, rubbing in, whisk, beat, roll out, shape, sprinkle, crumble

	tasting, arranging, popular, design, evaluate, criteria	hygiene. planning, investigating tasting, arranging, popular, design, evaluate, criteria				
Structures Materials, construct, cut, join, fold, tape, tools, link, assemble	Structures cut, fold, join, fix structure, wall, tower, framework, weak, strong, base, top, underneath, side, edge, surface, thinner, thicker, corner, point, straight, curved, metal, wood, plastic circle, triangle, square, rectangle, cuboid, cube, cylinder, design, make, evaluate, user, purpose, ideas, design criteria, product, function	Structures cut, fold, join, fix structure, wall, tower, framework, weak, strong, base, top, underneath, side, edge, surface, thinner, thicker, corner, point, straight, curved, metal, wood, plastic circle, triangle, square, rectangle, cuboid, cube, cylinder, design, make, evaluate, user, purpose, ideas, design criteria,	Structures shell structure, three-dimensional (3-D) shape, net, cube, cuboid, prism, vertex, edge, face, length, width, breadth, capacity, marking out, scoring, shaping, tabs, adhesives, joining, assemble, accuracy, material, stiff, strong, reduce, reuse, recycle, corrugating, ribbing, laminating, font, lettering, text, graphics, decision, evaluating, design brief design	Structures shell structure, three-dimensional (3-D) shape, net, cube, cuboid, prism, vertex, edge, face, length, width, breadth, capacity, marking out, scoring, shaping, tabs, adhesives, joining, assemble, accuracy, material, stiff, strong, reduce, reuse, recycle, corrugating, ribbing, laminating, font, lettering, text, graphics, decision, evaluating, design brief design	Structures frame structure, stiffen, strengthen, reinforce, triangulation, stability, shape, join, temporary, permanent, design brief, design specification, prototype, annotated sketch, purpose, user, innovation, research, functional	Structures frame structure, stiffen, strengthen, reinforce, triangulation, stability, shape, join, temporary, permanent design brief, design specification, prototype, annotated sketch, purpose, user, innovation, research, functional

		product, function	criteria, innovative, prototype	criteria, innovative, prototype		
<u>Textiles</u> Join, glue, cut, material, fabric, decorate	<u>Textiles</u> joining and finishing techniques, tools, fabrics and components, template, pattern pieces, mark out, join, decorate, finish	<u>Textiles</u> Names of existing products, joining and finishing techniques, tools, fabrics and components, template, pattern pieces, mark out, join, decorate, finish features, suitable, quality mock-up, design brief, design criteria, make, evaluate, user, purpose, function	<u>Textiles</u> fabric, names of fabrics, fastening, compartment, zip, button, structure, finishing technique, strength, weakness, stiffening, templates, stitch, seam, seam allowance, user, purpose, design, model, evaluate, prototype, annotated sketch, functional, innovative, investigate, label, drawing, aesthetics, function, pattern pieces	<u>Textiles</u> fabric, names of fabrics, fastening, compartment, zip, button, structure, finishing technique, strength, weakness, stiffening, templates, stitch, seam, seam allowance, user, purpose, design, model, evaluate, prototype, annotated sketch, functional, innovative, investigate, label, drawing, aesthetics, function, pattern pieces	<u>Textiles</u> seam, seam allowance, wadding, reinforce, right side, wrong side, hem, template, pattern pieces, name of textiles and fastenings used, pins, needles, thread, pinking shears, fastenings. iron transfer paper design criteria, annotate, design decisions, functionality, innovation, authentic, user, purpose, evaluate, mock-up, prototype	<u>Textiles</u> seam, seam allowance, wadding, reinforce, right side, wrong side, hem, template, pattern pieces, name of textiles and fastenings used, pins, needles, thread, pinking shears, fastenings. iron transfer paper design criteria, annotate, design decisions, functionality, innovation, authentic, user, purpose, evaluate, mock-up, prototype
	<u>Mechanisms and Mechanical systems</u> slider, lever,	<u>Mechanisms and Mechanical systems</u> vehicle, wheel,	<u>Mechanisms and Mechanical systems</u> mechanism, lever,	<u>Mechanisms and Mechanical systems</u> mechanism, lever,	<u>Mechanisms and Mechanical systems</u> pulley, drive belt, gear, rotation,	<u>Mechanisms and Mechanical systems</u> pulley, drive belt, gear, rotation,

	pivot, slot, bridge/guide, card, masking tape, paper fastener, join, pull, push, up, down, straight, curve, forwards, backwards, design, make, evaluate, user, purpose, ideas, design criteria, product, function	axle, axle holder, chassis, body, cab assembling, cutting, joining, shaping, finishing, fixed, free, moving, mechanism names of tools, equipment and materials used	linkage, pivot, slot, bridge, guide system, input, process, output linear, rotary, oscillating, reciprocating, user, purpose, function prototype, design criteria, innovative, appealing, design brief, components, fixing, attaching, tubing, syringe, plunger, split pin, paper fastener pneumatic system, input movement, process, output movement, control, compression, pressure, inflate, deflate, pump, seal, air-tight linear, rotary, oscillating, reciprocating user, purpose, function, prototype, design	linkage, pivot, slot, bridge, guide system, input, process, output linear, rotary, oscillating, reciprocating, user, purpose, function prototype, design criteria, innovative, appealing, design brief, components, fixing, attaching, tubing, syringe, plunger, split pin, paper fastener pneumatic system, input movement, process, output movement, control, compression, pressure, inflate, deflate, pump, seal, air-tight linear, rotary, oscillating, reciprocating user, purpose, function, prototype, design criteria,	spindle, driver, follower, ratio, transmit, axle, motor, circuit, switch, circuit diagram, annotated drawings, exploded diagrams, mechanical system, electrical system, input, process, output, am, snail cam, off-centre cam, peg cam, pear shaped cam follower, axle, shaft, crank, handle, housing, framework rotation, rotary motion, oscillating motion, reciprocating motion annotated sketches, exploded diagrams mechanical system, input movement, process, output movement design decisions, functionality, innovation, authentic, user,	spindle, driver, follower, ratio, transmit, axle, motor, circuit, switch, circuit diagram, annotated drawings, exploded diagrams, mechanical system, electrical system, input, process, output, am, snail cam, off-centre cam, peg cam, pear shaped cam follower, axle, shaft, crank, handle, housing, framework rotation, rotary motion, oscillating motion, reciprocating motion annotated sketches, exploded diagrams mechanical system, input movement, process, output movement design decisions, functionality, innovation, authentic, user, purpose, design specification
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			<u>Electrical Systems</u> series circuit, fault, connection, toggle switch, push-to-make switch, push-to- break switch, battery, battery holder, bulb, bulb holder, wire, insulator, conductor, crocodile clip, control, program, system, input device, output device, user, purpose, function, prototype, design criteria, innovative, appealing, design brief	<u>Electrical Systems</u> series circuit, fault, connection, toggle switch, push-to-make switch, push-to- break switch, battery, battery holder, bulb, bulb holder, wire, insulator, conductor, crocodile clip, control, program, system, input device, output device, user, purpose, function, prototype, design criteria, innovative, appealing, design brief	<u>Electrical Systems</u> reed switch, toggle switch, push-to- make switch, push- to-break switch, light dependent resistor (LDR), tilt switch, light emitting diode (LED), bulb, bulb holder, battery, battery holder, USB cable, wire, insulator, conductor, crocodile clip control, program, system, input device, output device, series circuit, parallel circuit, series circuit, parallel circuit, names of switches and components, input	<u>Electrical Systems</u> reed switch, toggle switch, push-to- make switch, push- to-break switch, light dependent resistor (LDR), tilt switch, light emitting diode (LED), bulb, bulb holder, battery, battery holder, USB cable, wire, insulator, conductor, crocodile clip control, program, system, input device, output device, series circuit, parallel circuit, names of switches and components, input device, system, monitor, control,

					device, output device, system, monitor, control, program, flowchart function, innovative, design specification, design brief, user, purpose	program, flowchart function, innovative, design specification, design brief, user, purpose
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Denotes year group covering that topic