



Design & Technology Sequence of Learning
 (Link to [MASTER DT Knowledge Progression \(2023\)](#))



Progression from EYFS Curriculum -
 Building on learning from - The Connected Curriculum -
[EYFS Knowledge and Skills Progression](#) (Creating with Materials)
[Copy of EYFS Long Term Plan](#)

Sequence of Learning Y1 - Y6

Year	Project	Disciplinary Knowledge Strands	Substantive Knowledge Strands	Vocabulary (Tier 3)	
		(Being an engineer, being a chef, being a designer)	(Building an overview of Design and Technology)	Theme specific	Subject specific
Year 1	Create own Bonfire food/Hull Fair food (Chocolate apples)	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	Ingredients - apple, chocolate, sprinkles Equipment - microwave, greaseproof paper, lolly sticks, trays Process - heating, melting and cooling (solid and liquid) Recipe Texture Taste	KEY STAGE 1 product purposeful design design criteria appealing creativity culture generate template mock-up materials textiles tools measure make evaluate
	Toy car (mechanisms)	Design Make Evaluate	Build structures Mechanisms Textiles	vehicle, wheel, axle, axle holder, chassis, body, cutting,	

			Cooking Electrical systems	joining, shaping, finishing, fixed, free, moving, mechanisms, tools – scissors, hand saw, equipment and materials – junk model materials, dowelling, cardboard wheels, straws, pipe cleaner, kebab sticks, sellotape, PVA glue, paper and cardboard.
	Lantern	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	Lantern, template, pattern pieces, mark out, measure, join, decorate, assembling, cutting, joining, shaping, finishing, tools and equipment – scissors, stapler, tape and glue, materials – paper, card, candle. Terms- stable, strong. Function - light
Year 2	Bake bread (Thomas the baker, harvest)	Design Make Evaluate	Build structures Mechanisms Textiles Cooking	Design, evaluate, ingredients, sieve, flour, measure,

			Electrical systems	dough, germs, yeast, rise, bake, baking parchment, mix, knead, golden brown, wheat, grain, harvested, flour dust, white flour, brown flour, wholemeal flour.	
	Build a boat	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	Float, sink, material, design, generate, imagination, creative, practical, evaluate, modify, construct, assess, improve, hazards, equipment, risk.	
	Sew a flag	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	evaluate, sew, weave, product, market, running stitch, suitability, characteristics	
Year 3	Create own tasty pattie	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	utensils, techniques and ingredients texture, taste, appearance, smell, preference, greasy, moist,	KEY STAGE 2 product purposeful functional design design criteria

				<p>cook, fresh, savoury, hygienic, edible, grown, reared, caught, frozen, tinned, processed, seasonal, harvested</p> <p>healthy/varied diet</p>	<p>appealing culture</p> <p>generate template</p> <p>mock-up prototype</p> <p>pattern pieces</p> <p>computer aided design</p>
<p>Build a Bronze Age house</p>	<p>Design</p> <p>Make</p> <p>Evaluate</p>	<p>Build structures</p> <p>Mechanisms</p> <p>Textiles</p> <p>Cooking</p> <p>Electrical systems</p>	<p>utensils, techniques and ingredients</p> <p>texture, taste, appearance, smell, preference, greasy, moist, cook, fresh, savoury, hygienic, edible, grown, reared, caught, frozen, tinned, processed, seasonal, harvested</p> <p>healthy/varied diet</p>	<p>materials</p> <p>components</p> <p>construction</p> <p>textiles</p> <p>finite resources</p> <p>sustainability</p> <p>ethical</p> <p>affordability</p> <p>aesthetic</p> <p>qualities</p> <p>tools</p> <p>measure</p> <p>evaluate</p>	
<p>Weave and/or sew a sustainable bag (including a fastener)</p>	<p>Design</p> <p>Make</p> <p>Evaluate</p>	<p>Build structures</p> <p>Mechanisms</p> <p>Textiles</p> <p>Cooking</p> <p>Electrical systems</p>	<p>weft, warp, prototype, fastener, materials, design, fabric, names of fabrics, fastening, compartment, zip, button, structure, finishing technique, strength, weakness, stiffening, templates, stitch, seam, seam allowance</p>		

Year 4	Cook an African dish	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	prototype, production, model, ingredients, amounts, weights, measures, outcome, shape, cook, bake, mix, stir, cut, crack, dipped, texture, taste, fried, roasted. sweet, savoury, cultural preferences, sour, hot, spicy, appearance, smell, preference, greasy, moist, cook, fresh, hygienic, edible, grown, reared, caught, frozen, tinned, processed, seasonal, harvested healthy/varied diet	
	Build a rainforest quiz game (using electrical systems)	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	batteries, battery holders, crocodile clips, buzzers, lightbulbs, secure, attach, electricity, flow, circuit, break, permanent, semi- permanent, combine, trigger, join	

	Sewing/weaving a Viking Rune	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	Viking Runes, purpose, symbols, design, stitch count, running stitch, back stitch, cross stitch, prototype, needle, thread, binka, attach, connect, knot, secure, recover, modifications, restrictions, rectify
Year 5	Compare and taste Yorkshire Pudding wrap (English), pancake (English), crepe (Fench) & galette (French). Look at different fillings. Cook a healthy option	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	<ul style="list-style-type: none"> Ingredients, amounts, weights, measures, shape, cook, bake, mix, stir, cut, crack, texture, taste, sweet, savoury,
	Chariots (mechanisms & woodwork)	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	Butt joint, dowel, hardwood, masking tape, nail, screw, sandpaper, bench vice, bench hook, hacksaw, wheels, axles, strengthen, stiffen, reinforce, stability, creativity,

	<p>Design and build a bridge (Humber bridge, train bridge, flyover)</p>	<p>Design Make Evaluate</p>	<p>Build structures Mechanisms Textiles Cooking Electrical systems</p>	<p>sequence, annotated diagram, sketch, decision, choice, prototype, model, communicate</p> <p>shape, assemble, accurate, saw, mark out, connect, attach, join</p> <p>mechanism, movement, pivot, off- centre, axle, force, structure, Butt joint, dowel, hardwood, masking tape, nail, screw, sandpaper, bench vice, bench hook, hacksaw, strengthen, stiffen, reinforce, stability, product,</p>

				purposeful, functional, design, design criteria, appealing, creativity, culture, generate, prototype, construction materials, aesthetic qualities, functional properties. mechanism, open , close, pulley	
Year 6	Creating a structure of an Anderson Shelter with a light	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	structures reinforcement stability strengthen techniques design criteria materials rigidity	
	Create a flatbread snack	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	Flatbread, unleavened, flatbrod, bannock, chapati, pita, pocca, yeast, dissolve rest, hummus, olives	

	How did the Maya build the pyramids?	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	lever, fulcrum, load, pivot, effort, pulley, axle, wheel, function, innovative, design specification, design brief, user, purpose design brief, design specification, prototype, annotated sketch, purpose, user, innovation, research, functional, mock- up, prototype	