






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



Progression from EYFS Curriculum - The Connected Curriculum - EYFS Knowledge and Skills Progression (Expressive Arts and Design) 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	Structures - Elf and Sa... (New) (build, join components, make a finished product) Autumn Term	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	join components strong stable stiff materials structure	KEY STAGE 1 product purposeful design design criteria appealing creativity culture generate template mock-up materials textiles tools measure make evaluate
	Textiles - Puppets Spring Term	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	sew stitch needle thread fabric join	
	Mechanisms - Moving pictures	Design	Build structures	materials moveable	

	(simple levers and sliders) Summer Term	Make Evaluate	Mechanisms Textiles Cooking Electrical systems	hinge lever slider
	Cook it - Cheese sandwich - Fruity flapjack - Buns	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	ingredients spreading grating weighing combining creaming healthy eating varied diet hygiene
Year 2	 Mechanisms - Moving ... (New) Autumn Term	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	wheels axles chassis moveable fit for purpose saw glue gun wood strengthen
	 Textiles - Making a Bo... Spring Term	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	running stitch sew needle thread detail template
	 Structures - Making a ...	Design	Build structures	model

	<p>(New) (cut and join pieces of wood - make stronger, stiffer, more stable)</p> <p>Summer Term</p>	<p>Make Evaluate</p>	<p>Mechanisms Textiles Cooking Electrical systems</p>	<p>fit for purpose flexible stable strengthen stiffen evaluate</p>	
	<p>Cook it</p> <ul style="list-style-type: none"> - Hedgehog bread - Gingerbread - Biscuits - Mixed Fruit Snack 	<p>Design Make Evaluate</p>	<p>Build structures Mechanisms Textiles Cooking Electrical systems</p>	<p>ingredients kneading shaping weighing combining rolling claw knife technique healthy eating varied diet hygiene</p>	
Year 3	<p>Structures - Mini Gree...</p> <p>(New) (wooden structure, select appropriate materials, strengthen the finished product)</p> <p>Autumn Term</p>	<p>Design Make Evaluate</p>	<p>Build structures Mechanisms Textiles Cooking Electrical systems</p>	<p>strengthen stiffen stable reinforce reevaluate</p>	<p>KEY STAGE 2 product purposeful functional design design criteria appealing culture generate template mock-up prototype pattern pieces computer aided design materials components construction textiles finite resources</p>
	<p>Textiles - Survival pouch</p> <p>Spring Term</p>	<p>Design Make Evaluate</p>	<p>Build structures Mechanisms Textiles Cooking Electrical systems</p>	<p>running stitch over stitch fastening</p>	

	<p>Mechanisms - Egyptia... (New)</p> <p>Summer Term</p>	<p>Design Make Evaluate</p>	<p>Build structures Mechanisms Textiles Cooking Electrical systems</p>	<p>pulley mechanism</p>	<p>sustainability ethical affordability aesthetic qualities tools measure evaluate</p>
	<p>Cook it</p> <ul style="list-style-type: none"> - Banana bread - Fruity Skewers with Yoghurt Dip - Pizza 	<p>Design Make Evaluate</p>	<p>Build structures Mechanisms Textiles Cooking Electrical systems</p>	<p>processed sustainability nutrition raw cooked mashing kneading claw knife technique bridge knife technique</p>	
Year 4	<p>Structures - Bridges (New)</p> <p>Autumn Term</p>	<p>Design Make Evaluate</p>	<p>Build structures Mechanisms Textiles Cooking Electrical systems</p>	<p>stronger stiffer appealing stable reevaluate structure suspension compression tension arch beam reinforce</p>	
	<p>Mechanisms - Trebuchet</p> <p>Spring Term</p>	<p>Design Make Evaluate</p>	<p>Build structures Mechanisms Textiles Cooking Electrical systems</p>	<p>lever linkages components construction functional</p>	

	<p>Electrical circuits - Rainforest game (buzzers, bulbs, batteries)</p> <p>Summer Term</p>	<p>Design Make Evaluate</p>	<p>Build structures Mechanisms Textiles Cooking Electrical systems</p>	<p>series circuit switch bulbs buzzer motor battery electricity volts</p>
	<p>Cook it</p> <ul style="list-style-type: none"> - Fruit Crumble - Chopped Salad - Chocolate cookies 	<p>Design Make Evaluate</p>	<p>Build structures Mechanisms Textiles Cooking Electrical systems</p>	<p>processed sustainability nutrition raw cooked rubbing in peeling coring claw knife technique bridge knife technique</p>
Year 5	<p>Structures - Marble Ru... (New) (design and make to fit a brief, appealing, fit for purpose)</p> <p>Autumn Term</p>	<p>Design Make Evaluate</p>	<p>Build structures Mechanisms Textiles Cooking Electrical systems</p>	<p>appealing fit for purpose freestanding structure stable strengthen construct finishing iterative design process prototype</p>

	Textiles - Money containers Spring Term	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	appliqué embellishment fastening running stitch over stitch back stitch
	E Electrical systems - Mi... (New) Computing to program, monitor and control products - Micro:bits (project TBC) Summer Term	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	debug battery program coding cross sectional diagram exploded diagram
	Cook it - Apple Pie - Frittatas - Greek Salad	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	processed sustainability nutrition coring peeling rubbing in sweating whisking claw knife technique bridge knife technique rock knife technique
Year 6	W Mechanisms - Moving ...	Design	Build structures	cross sectional diagram

Autumn Term	Make Evaluate	Mechanisms Textiles Cooking Electrical systems	exploded diagram cams components construction functional appealing
Structures - 3D playground design (including min 5 apparatus) Spring Term	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	apparatus scaled model computer aided design construct
Computing to program, monitor and control products - Micro:bits (project TBC) Summer Term	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	program coding innovation appealing functional aesthetic prototype
Cook it - Leek and potato soup - Tomato Salsa - Cheese Scones	Design Make Evaluate	Build structures Mechanisms Textiles Cooking Electrical systems	processed sustainability nutrition rubbing in finely chop sweating whisking claw knife

				technique bridge knife technique rock knife technique	
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