

Design and technology

Vocabulary progression

Standard

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Overview - Vocabulary progression

Autumn 1

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Option 1: Matching slider game	better compare cut design explain dislike join like mechanism mock-up movement product slider straight line tools user worse	—	—	—	—	—

Option 2: Making a moving story book	assemble design evaluation mechanism model sliders stencil target audience template test	—	—	—	—	—
Option 1: Gears and pulleys	—	—	—	—	annotate gear gear system input market research output problem statement pulley pulley system research sustainability teeth	—

Option 2: Making 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	—
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	—	design brief design criteria evaluate frame model opinion rotate survey	accurate applique cross-stitch cushion decorate detail fabric patch running-stitch seam stencil stuffing target audience target customer template	battery bulb buzzer cell component conductor copper design criteria electrical item electricity electronic item function insulator series circuit switch test torch wire	—	3D CAD application (apps) biodegradable boolean cardinal compass client 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
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						navigation non-recyclable product lifecycle product lifespan program recyclable smart sustainable sustainable design unsustainable design variable workplace
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**Words on this page are classified as Tier 2 words unless stated otherwise.*

Autumn 2						
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6

Option 1: Stable structures	better	—	—	—	—	—
	cut					
	design					
	dislike					
	even					
	explain					
	freestanding					
	join					
	like					
	product					
	stable					
	structure					
	unstable					
	user					
	worse					

Option 2: Constructing a windmill	base centre design equal evaluate middle rotate rotor rotor blades sails same stable strong structure test weak	—	—	—	—	—
Option 1: Mechanical cars	—	—	—	bearing chassis force machine mechanism prototype target audience	—	—

Option 2: Making a slingshot
car

—

—

—

aesthetic
air resistance
chassis
design
design criteria
function
graphics
kinetic energy
mechanism
net
structure

—

—

	—	appearance balanced carbohydrates combination dairy design design brief diet feel grate grater menu oils prepare proteins review scissors smell snip spread spreads	battery bulb circuit circuit components crocodile wires electrical product electrical system final design information design initial ideas peer assessment research self assessment sketch	—	alert ambient boolean consumables decompose development device duplicate durable electronic inventor lightweight man-made manipulate manoeuvre microplastics model monitor monitoring device moulded plastic plastic pollution programming comment programming loop reformed replica	balance bitter bridge method complement cookbook farm to fork method nationality reared research pairing preparation salty sour storyboard sweet Umami
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					research sensor strong sustainability synthetic thermometer thermoscope value variable versatile water-resistant workplane	
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Spring 1						
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6

Option 1: Simple stitches	design sketch choose tools straight line space even safety like thread needle fabric stitch weave	—	—	—	—	—
Option 2: Puppets	decorate design fabric glue model hand puppet safety pin staple stencil template	—	—	—	—	—

Option 1: *New* Pneumatic toys	—	—	diagram evaluate feedback housing linkage mechanism mechanical system pivot pneumatic system thumbnail sketch	—	—	—
Option 2: Pneumatic toys	—	—	exploded-diagram function input lever linkage mechanism motion net output pivot pneumatic system thumbnail sketch	—	—	—

	—	evaluation input lever linear motion linkage mechanical mechanism motion oscillating motion output pivot reciprocating motion rotary motion survey	—	advantage annotate assemble aesthetic block brand identity brand bug CAD clipart coding criteria debug design develop disadvantage display ergonomic evaluate exhibition feedback form function join logo loop mindfulness	abattoir adaptation balanced beef brand cook cross-contamination develop enhance equipment farm label measure nutrient nutrition nutritional value preference press process safety theme	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
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				model net product program prototype research script sketchpad test timer user variable		weak
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Spring 2						
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6

Option 1: *New* Wheels and axles	axle	—	—	—	—	—
	axle holder					
	better					
	careful					
	choose					
	compare					
	design					
	dislike					
	like					
	mechanism					
	movement					
	product					
	straight line					
	tool					
	turn					
	user					
	wheel					
	worse					

Option 2: Wheels and axles	axle axle holder chassis design evaluation fix mechanic mechanism model test wheel	—	—	—	—	—
Option 1: A chair for a bear	—	design brief design criteria evaluate flexible improve select stiff strong thicker thinner weak	—	—	—	—

Option 2: Baby bear's chair	—	function man-made mould natural stable stiff strong structure test weak	—	—	—	—
Option 1: Bags	—	—	—	—	—	innovative pattern piece seam allowance

Option 2: 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
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	—	—	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	adapt addition budget buttery combine comment construct cream crunchy cuboid fold hygiene layout market research modify multiplication opinion pounds sieve sift target audience texture unique wooden spoon	abutment accurate arched bridge beam bridge coping saw evaluation file mark out material properties measure predict reinforce research sandpaper set square suspension bridge tenon saw test truss bridge wood	—
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			program sense stimulator smart technology test user			
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Summer 1						
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Option 1: Helmets	—	—	—	analyse effective interaction reflect strengthen	—	—

Option 2: Pavillions

—

—

—

aesthetic
cladding
design criteria
evaluation
frame structure
function
inspiration
pavillion
reinforce
stable
structure
target audience
target customer
texture
theme

—

—

	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	accurate fabric knot pouch running-stitch sew shape stencil template thimble	arid climate complementary country export import mediterranean mock-up mountain peel polar seasonal seasons snip temperate texture tropical weather	—	accurate annotate appendage blanket-stitch design criteria detail evaluation fabric sew shape stuffed toy stuffing template	assemble battery battery pack benefit bulb bulb holder buzzer circuit circuit symbol component conductor copper design design criteria evaluation fine motor skills fit for purpose form function gross motor skills insulator LED user
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	compare					
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Summer 2						
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Option 1: Product packaging	—	—	Computer-aided design (CAD) feedback form function Net shell-structure tab three-dimensional (3D)	—	—	—

Option 2: Constructing a castle	—	—	2D shapes 3D shapes castle design criteria evaluate Facade Feature Flag Net Recyclable Scoring Stable Strong Structure Tab Weak	—	—	—
Option 1: Wobble bots	—	—	—	—	Annotate Assemble Electrical component Motor	—

Option 2: Doodlers

—

—

—

—

Circuit component
Configuration
Current
Develop
DIY
Investigate
Motor
Motorised
Problem solve
Product analysis
Series circuit
Stable
Target user

—

	N/A	N/A	—	Aesthetic Assemble Book sleeve Design criteria Evaluation Fabric Fastening Mock-up Net Running-stitch Stencil Target audience Target customer Template	—	Accurate Automata Axle Bench hook Cam Cam profile Component Cross-sectional diagram Diagram Dowel Evaluate Exploded-diagram Follower Form Frame Function Housing Mechanism Storefront Visual
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