

Design and technology

Vocabulary progression

Mixed-Age

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Overview - Vocabulary progression

Design		
Year 1/2	Year 3/4	Year 5/6
design mock-up product sketch test user design brief design criteria label model opinion purpose survey	computer-aided design diagram thumbnail sketch cross-sectional diagram prototype target audience	annotate exploded diagram market research constraint

**Words on this page are classified as Tier 2 words unless stated otherwise.*

Make

Year 1/2	Year 3/4	Year 5/6
choose cut decorate even join safety space straight line tools curved material measure select	accurate asymmetrical components equipment finish form function instructions plan wood length research symmetrical width	assemble equipment list risk

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Evaluate		
Year 1/2	Year 3/4	Year 5/6
better compare dislike explain like worse evaluate improve	feedback investigate successful analyse effective iteration reflect	inform specific sustainable technique aesthetic alternative innovative

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Technical knowledge			
	Year 1/2	Year 3/4	Year 5/6

Technical knowledge

	Year 1/2	Year 3/4	Year 5/6
Mechanisms	axle axle holder mechanism movement slider turn wheel direction frame lever machine pivot rotate	—	—

Technical knowledge

	Year 1/2	Year 3/4	Year 5/6
Structures	base freestanding stable structure unstable strong weak thicker thinner shape stiff flexible	net shell structure tab three dimensional strengthen	frame structure triangulation reinforce
Textiles	fabric needle stitch thread weave running stitch seam sew template	applique cross-stitch embroidery textiles fastening pinning embellish pinking	blanket stitch tacking pattern piece seam allowance appendage

Technical knowledge

	Year 1/2	Year 3/4	Year 5/6
Cooking and nutrition	fruit vegetable ingredient taste smell chop mix healthy peel grate spread snip	flavour imported recipe seasonality stir texture substitute portion sieve	cross-contamination nutritional value savoury dietary requirement farm rear

Technical knowledge

	Year 1/2	Year 3/4	Year 5/6
Mechanical systems	—	housing mechanical system pneumatic pull push bearing chassis force increase input output	fixed pivot gear moving pivot pulley teeth cam cam profile linear rotational follower
Digital world	—	code control input LED output program technology download	monitor wireless

Technical knowledge			
	Year 1/2	Year 3/4	Year 5/6
Electrical systems	—	electrical battery bulb buzzer circuit electricity switch wire	charge flow motor

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