



# Design Technology

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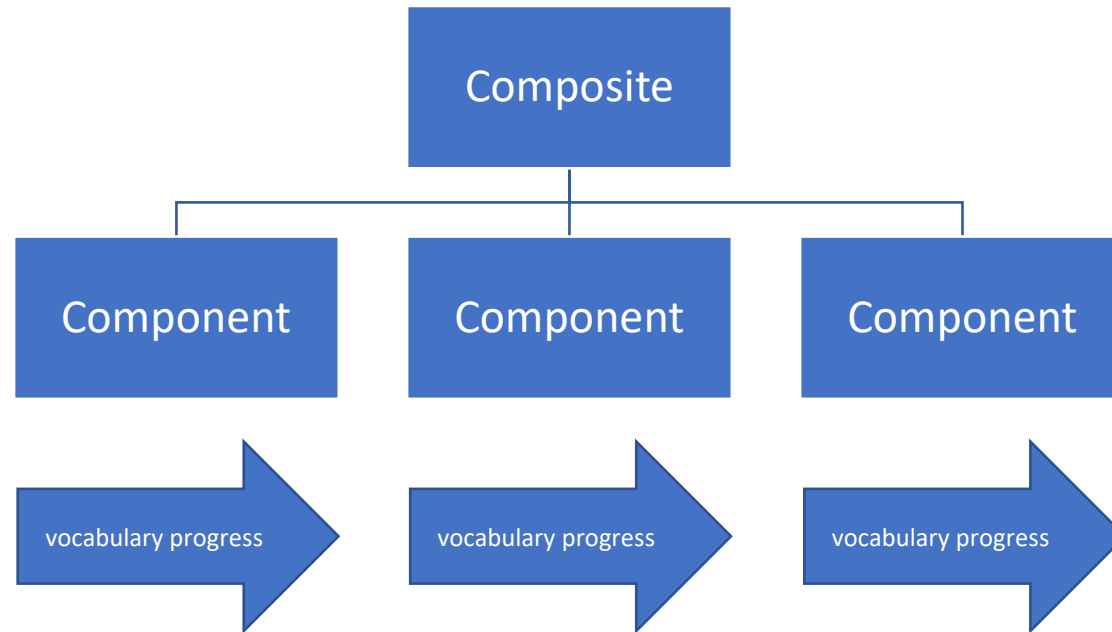
VOCABULARY FRAMEWORK FOR KEY STAGE 1 AND 2

JMB EDUCATION  
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The National Curriculum is the top-level 'composite' outcomes but not the curricular components to get there – the intent. Each component has a skill set that shows progress through each key stage.

Subject leaders need to ensure that there is clear progression through each year group towards the national curriculum requirements for their subject.



Which words should we teach?

This document ensures that there is a clear year-on-year acquisition of key vocabulary within each component.


### Tier 1

- Everyday words
- Most often found in everyday talk
- eg. the 20 most common words: the, be, to, of, and, a, in, that, have, I it, for, not, on, with, he, as, you, do, at

### Tier 2

- General academic and literary words
- Most often found in academic speech and texts
- eg. relative, vary, formulate, accumulate, calibrate, itemise, misfortune, dignified, faltered, precede, periphery

### Tier 3

- Subject specific words
  - Most often found in Information texts within a specific subject or field
  - eg. lava, ventricle, timbre, circumference, deciduous
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Based on Isabel L. Beck, Margaret G. McKeown, and Linda Kucan (2013) Bringing Words To Life

Design Technology							
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Design	after before design first/second (etc) generate ideas last next plan product technology then when	appeal at the same collage construction criteria earlier fashion function later model object overview paste period process	project purpose relief since style time as	3D projection label mock-up organise prototype purpose realistic research scale sketch version	audience cross-section cultural exploded diagram scale-bar	incorporate preliminary process reference sketchbook	budget detail explain function limitation purpose sophisticated
Make	construction cut drawing make measure painting printing stick trace	axles join knit levers mechanism sew sliders textile tools wheels	assemble circuit construct digital graphics dye fabric fabric paints hemming precision tie-dye weave	backstitch blanket stitch bulb buzzer finishing technique motor program score series template whip stitch	cam gear hydraulic light emitting diode (LED) lever pneumatic pulley	light dependent resistor pin tape	
Appreciate, evaluate, describe	different effect improve photograph share similar	compare contrast critique depth describe layer stable stiff strong suggest views	clarify opinion quality	aesthetic alter appeal characteristic convention develop fit for purpose impact improvement innovativeness pattern piece restart structure unique	constructive feedback reasonable refine sensitive suggestion	analyse critique showcase	

Design Technology						
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Materials and tools	knife material metre ruler pattern ruler scissors textile	crocheting sticks fastener knitting needles scales set square soft tape-measure	metallic tape-measure protractor sandpaper screwdrivers spirit level	adult scissors (to cut) compass glue gun scissors (to score) sewing needle Stanley knife	chisel hammer mallet nails vice	power tools saw
Cookery	healthy ingredients savoury surface sweet	butter knife flour grate (carrot, cheese) grater hot measure oven peeler (carrots, potatoes) prepare salt seasoning sieve	bake bread break (eggs) combine crush (garlic) dough egg fresh grow (plants) mash (potato) moist raising agent slice (fruit and salad) tinned utensil	bridge (to hold harder veg) caught cream (fat/sugar) edible frozen grate (lemon peel) greasy harvested hygienic microwave reared safe seasonal toaster whisk	allergy fish slice fold gluten herbs intolerance knead mix nutrients pour processed separate (egg white/yolk) smooth spice texture	carbohydrate fat fibre oven gloves protein recipe store sugar vitamins wholemeal yeast
Design Technology terminology	above below centre close to direction down far further higher near newer older position roughly underneath	up  components fold join left materials range (not the maths sense) reflect right roll safety sloped	accurate annotate chronological digital input mechanical mould output perspective shape structure technique	cause computer-aided design consequence continuity former intricate latter medium phase precision trend uncertain	complex contemporary context dominate enduring exceptional flowchart prior sparse subsequent	attribute authentic controversy interface maquette simultaneous

Design Technology							
	Year 1	Year 2	Year 3		Year 4	Year 5	Year 6
Mathematical content	anticlockwise table tally	block diagrams cm degrees (°c) grams litres nearest cm nearest g pictogram scale (1s, 2s, 5s, 10s) symmetrical tally chart temperature	2D shapes angle approximate area bar chart convert distance estimate length measure measurements nearest 10ml nearest 45° for angle nearest mm	parallel perpendicular scales units	3d shape vocab concave continuous data convex decrease describe location describe shape discrete data estimate angle estimate capacity estimate distance estimate length estimate mass increase time graphs	average diagonal equivalence estimate area estimate temperature imperial units median metric mode nearest angle ° range rotation timetables	area concentric convert intersecting mean average pie chart radial volume