

Key Vocabulary

Textiles

Year 1	Year 2	Year 5
Decorate Design fabric glue model hand puppet safety pin staple stencil template	decorate fabric fabric glue knot needle needle threader running stitch sew template thread	Criteria Fabric Fastening Fix Mock-up Stitch Template

Structures

Year 2	Year 3	Year 4	Year 6
design criteria man-made natural properties structure stable shape model test strength assemble joints evaluate	2D 3D Sarcophagus coffins castle design key features net scoring shape stable stiff strong structure tab	3D shapes Cladding Design criteria Innovative Natural Reinforce Structure	design criteria Strong Stable Durable Watertight Accurate Clamp Measure Cut Shape Join Finish Aesthetic qualities Strengthen Stiffen Annotated sketches Exploded diagram

Food Preparation

Year 1	Year 2	Year 4	Year 5
compare cut design evaluate flavour fork fruit healthy ingredients juice juicer leaf plant recipe root seed select smoothie stem table knife taste tree vegetable vine	appearance balanced carbohydrates chopping board combination cut dairy design design brief diet evaluate feel fruit grate grater ingredients menu oils proteins review scissors smell snip spread spreads table knife taste	adapt addition appearance budget buttery combine comment compare construct cream crunchy cuboid cut design evaluate fold hygiene ingredients layout market research modify multiplication opinion pounds sieve sift target audience taste texture unique wooden spoon	abattoir adaptation balanced beef brand cook cross-contamination cut design enhance equipment evaluate farm grate hygiene ingredients label measure nutrient nutrition nutritional value preference press process recipe safety theme

Mechanical Systems

Year 1	Year 3	Year 5	Year 6
sliders mechanism adapt design criteria design input model template assemble test	mechanism lever pivot linkage system pneumatic system input output component thumbnail sketch research adapt properties reinforce motion	design input motion mechanism criteria research reinforce model	Dwell Egg-shaped Ellipse Round Off centre Automata Snail Eccentric Hexagon Off-centre Axle Evaluate Cam Dowel Split pins Rotary Mechanism Follower Movement Linear Component Motion Convert Accurate Assembly-diagram Dowel Drill bits Exploded – diagram Measure Mechanism Research

Electrical Systems / Programming

Year 3	Year 4	Year 6
information design design public design criteria research initial ideas sketch bulb self assessment peer assessment feedback develop final design electrical system electric product circuit circuit component bulb battery crocodile wires	battery bulb buzzer conductor circuit circuit diagram electricity insulator series circuit switch component design design criteria diagram evaluation LED model shape target audience input recyclable theme aesthetics assemble equipment ingredients packaging properties sketch test	smart smartphone equipment navigation cardinal compass application (apps) pedometer GPS tracker design brief design criteria client function program duplicate replica loop variable value if statement boolean corrode mouldable lightweight sustainable design environmentally friendly biodegradable recyclable product lifecycle product lifespan