

# Design and Technology Skills Progression

	KS1	LKS2	UKS2
Design	I can tell someone about my design ideas.	I can generate and develop my own ideas through discussion.	I can design products that are innovative and appeal to individuals or groups.
	I can make a mock up of my design and discuss it.	I can design products that are functional and designed for purpose	I can create a prototype of my design.
	I can create a drawing of my idea and templates for my design.	I can create a cross sectional drawing of my design.	I can create an exploded diagram of my design.
	I can use IT to explore my design ideas. e.g. Use the internet to research design ideas or use a basic paint program to draw my design.	I can use given shapes on a computer program to create a design. e.g. Use a computer-aided design program to create a net for packaging.	I can use a computer design program to communicate my ideas. e.g. Use a computer-aided design program to create designs with text and graphics.
Make	Through exploring and assembly I can find ways to make my structures more stable so they are freestanding. e.g. The use of a base, overlapping joints.	I can create a shell or frame structure, strengthening with diagonal struts.	I can build frameworks using a range of materials: wood, card, corrugated plastic.
	I can join fabrics using staples and a running stitch	I can join fabrics using a wider range of stitches. e.g. Back stitch, chain stitch.	I can use a glue gun with close supervision.
	I can decorate textiles using buttons, beads, sequins, braids & ribbons.	I can choose the most appropriate joining technique to add a decoration to a piece of fabric	I can use appliqué to decorate by gluing, and stitching.
	I can cut along straight lines, curved lines and shapes marked out by a template.	I can cut slots.	I can cut internal shapes.
	I can use tape and glue to create temporary joins, fixed joins, & moving joins.	I can create simple joins with wood. e.g. Butt joint, dowel joint.	I can select the most appropriate joint for my design.
	I can colour fabrics using paints to print and paint.	I can use given sewing patterns or printing blocks to add detail to my designs.	I can create my own simple sewing pattern or printing block to use in my design.
	I can use simple mechanisms in his/her products e.g. Hinges, levers, wheels etc.	I can use simple mechanical systems in his/her products e.g. Gears, levers and cams.	I can use more complex mechanical systems in my products e.g. Pulleys and linkages.
	I can independently cut wood/dowelling using a hacksaw and bench hook	I can measure and mark a square section & dowelling to the nearest cm	I can cut accurately to 1mm: strip wood, dowel & square section.
	I can roll, fold, tear and cut paper and card.		I can use a screwdriver to secure materials with accuracy.
Evaluate	I can say what they like and do not like about existing products.	I can explain strengths and weaknesses of existing products.	I can evaluate existing products in relation to my purpose and audience.
	I can say how well his/her designs and product met the given design criteria.	I can evaluate my work against my own design criteria,	I can collect feedback from others to find out how to improve my product.
		I can discuss and describe well-known designers and inventors and their work.	I explore the impact of well-known designers and inventors & how their products helped to shape the world.
Food	I can name foods from each section of the EatWell plate and understands they should eat at least 5 portions of fruit and veg each day.	I understand all sections of the EatWell plate and why they differ in size.	I understand what different affects food types have on the body. e.g. The impact of eating too much sugar.
	I can use the right tools to peel, grate and chop.	I can use the right tools to slice, mix, spread, bake and knead.	I can select the appropriate tools to follow a given recipe to make a savoury dish.
	I can read a simple scale to measure and weigh out ingredients.	I can weigh ingredients to an appropriate level of accuracy.	I understand how different foods are produced in different areas of the world.
	I understand that food comes from plants and animals and has to be farmed, grown or caught.	I understands that different foods are produced in different areas of the world.	I understand that some foods are seasonal and can give some examples.
		I understand that food is processed into different ingredients e.g. Milk into butter.	