Disciplinary knowledge (EYFS-KS1)



The below tables outlines where disciplinary knowledge is first taught and deliberately practised in KS1 or KS2. If he curriculum has been sequenced so that the content is also reviewed in subsequent units (and may also be reviewed in other subject areas like science and history), but to keep the table readable, we have only set out where it is first taught.

	Marking out and cutting skills	Fixing and joining skills	Mechanical and control skills	Finishing skills, including food hygiene			
EYFS	Coming soon						
Υ1 Ε	• Safe use of simple tools to punch to cut and make holesmaterials	 Joining 2D and 3D materials- gluing , sticking, Tying, fixing with split pins Creating basic hinges Creating levers and sliders Understanding of structures and how these canbe made stronger and more stable 	 Understanding simplemechanisms that allow movement – sliding mechanisms 	 Basic food handling, hygienic practices andpersonal hygiene, including how to controlrisks Safe use of a variety of tools and equipmentto peel, cut , grate, mix and mould food The nutritional value of food stuffs in a balanced diet Know about and apply basic finishing techniques e.g. collage, painting, colouringto match a design brief. 			
Y2	 Using templates and patterns on fabric, pinning, tracing around outline of component parts. Experimenting withusing a template to draw and cut out 2 identical shapes Applying basic measuring skills Cutting fabric with precision Use of simple models e.g. base kits/use of nets to plan out use of space or a structure might be marked out in order tobe made 	 Developing basic sewing techniques – starting, ending, running stitch to join fabric Developing a range of techniques for joining fabric- lacing, stitching, stapling, gluing, taping Joining wheels and axels 	 Understanding simplemechanisms that allow movement - winding mechanisms 	 Know about and apply different finishingtechniques – collage, paint, cut out shapes, computer generated images to match a design brief. 			

United Curriculum | Primary Geography

1

	Marking out and cutting skills	Fixing and joining skills	Mechanical and control skills	Finishing skills, including food hygiene
Y3	 Work safely with a range of hand tools incl junior hacksaw 	 Extend understanding of ways of fixing and joining components and selecting most appropriate for a given task Understanding how to make stable structures - rolling, folding, and layering, reinforcing corners, cutting a mitre joint 	 Understanding how pneumatic systems work Revising how simple levers work 	 Know about and apply different finishing techniques –collage, paint, cut out shapes, decoupage, varnishing for durability. Understanding of food preparation techniques(tearing, cutting, slicing, grating) and ways of combining foods to make a product for a particular purpose Combining foods on the basis of taste, appearance and texture Understanding of different food groups within a healthy and balanced diet
**	 Measuring accurately, marking out, cutting, folding, scoring, Using patterns and templates with more than 2 pieces 	 Relate a mechanism to its purpose and select for a desired type of movement Joining and reinforcing fabrics Demonstrating fabric can be joined in a number of different ways – sewing using a range of stitches 	 Understanding linkage mechanisms and the type of movement they produce Applying knowledge about electrical circuits in designing and making products 	 Understanding what makes a quality finish- collage, printing, drawing, use of font, size, colour, layout . Using a widening range of decorative techniques such as dyeing and embroidery, embellishing, applique, fabric paints, fastenings (buttons, buckles, press studs, hooks and eyes, Velcro, safety pins, zip, ties
Υ5	 Measuring accurately, marking out, cutting, folding, scoring, drilling and mounting structures Using a range of sharp tools safely – paper drill, hole punch 	 Understanding how different materials can be reinforced for different purposes Assembling materials in temporary ways as a trial prior to finalizing design choices Cutting and joining component parts to a main structure 	Understanding how to control movement with a cam mechanism	 Selecting appropriate methods and resources for finishing a design that reflect the intended use, cultural, geographical or historical influences Accurate measuring and weighing skills, understanding that the properties and quantities of ingredients will affect the final product Increased awareness of food safety and hygiene, including the use of ovens Exploring the functions and properties of ingredients
λ6	 Making accurate patterns and templates Using a range of tool and techniques for marking out, measuring and cutting a range of sheet materials, wood, plastic, fabric 	 Knowing that structures can fail when loaded Knowing how to reinforce structures and to research info about this from a range of sources Using a variety of temporary and permanent joining techniques, including framework, materials and textiles. Assembling components to make working models Using known skills e.g. applique,, cutting, embellishing, fabric gluing, stenciling and extend to include dyeing and machine sewing 	 Understanding how products can be driven by electricity Understanding of how to control speed and direction Understanding how different sorts of switches can be used to control electrical current 	 Developing a structure with finishing techniques including cladding Distinguish between functional and decorative products

Disciplinary knowledge (KS2)

