

DT Progression					
	EYFS	KS1	LKS2	UKS2	KS3
Making B- Working with tools, equipment, materials and components to make quality products	Creating with materials: Safely use and explore a variety of materials, tools, and techniques, experimenting with colour, design, pattern, texture, form, and function. Share creations, explaining the processes they have used. Make use of props and materials when role playing characters in narratives and stories.	Begin to select tools and materials; use correct vocabulary to name and describe them. With help measure, cut and score with some accuracy.	select a wider range of tools and techniques for making their product safely. Know how to measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques.	Confidently select appropriate tools, materials, components and techniques and use them. Use tools safely and accurately. Aim to make and to achieve a quality product.	use a broad range of manufacturing techniques including handcraft skills and machinery to manufacture products precisely
		Start to assemble, join and combine materials in order to make a product.	Construct products using permanent joining techniques, assembling components to make working models.	Construct products using permanent joining techniques, assembling components to make working models and demonstrate making modifications as they go along.	use a wider, more complex range of materials, components and ingredients, taking into account their properties
		Build structures, exploring how they can be made stronger, stiffer and more stable.	Begin to explore how to reinforce and strengthen a 3D framework.	Understand how to reinforce and strengthen a 3D framework effectively.	use a wider, more complex range of materials, components and ingredients, taking into account their properties
		Start to choose and use appropriate finishing techniques based on own ideas.	Begin to use finishing techniques to strengthen and improve the appearance of their product using a range of equipment.	Use finishing techniques to strengthen and improve the appearance of their product using a range of equipment including ICT.	apply a range of finishing techniques, including those from art and design, to a broad range of materials including textiles, metals, polymers and woods
		Investigate a range of mechanical systems e.g. wheels/axels, pulleys etc to create movement.	Know how mechanical systems such as cams or pulleys or gears create movement. Understand how more complex electrical circuits and components can be used to create functional products.	Understand how mechanical systems such as cams or pulleys or gears create movement. Know how more complex electrical circuits and components can be used to create functional products. Understand that mechanical and electrical systems have an input, process and output.	exploit the use of CAD/CAM equipment to manufacture products, increasing standards of quality, scale of production and precision
		Demonstrate how to cut, shape and join fabric to make a simple product.	Demonstrate how to measure, tape or pin, cut and join fabric with some accuracy.	Demonstrate how to measure, tape or pin, cut and join fabric with accuracy.	make use of specialist equipment to mark out materials
		Use basic joining techniques to join materials- stitching.	Now sew using a range of different stitches, to weave and knit.	With confidence pin, sew and stitch materials together to create a designed product.	use a broad range of material joining techniques including stitching, mechanical fastenings, heat processes and adhesives