

DT progression of skills quick overview

	EYFS	KS1	LKS2	UKS2
Structures	<p>Structures Building, fixing together, screwing, balancing, threading using construction kits. Making models for purpose using reclaimed materials.</p>	<p>Structures (Investigating different techniques to make structures stronger. Joining materials appropriately for different situations.)</p>	<p>Structures (Create and strengthen shells and frames with diagonal struts. Cutting strip wood and dowel accurately to 1cm)</p>	<p>Structures (Using a hand drill and bradawl. Cutting strip wood and dowel accurately to 1mm.)</p>
Mechanisms	<p>Mechanisms Use different techniques for joining materials Use tools independently, with care & precision</p>	<p>Mechanisms (Experimenting with levers and sliders to find different ways of moving things. Cutting and folding techniques.)</p>	<p>Mechanical systems (Using gears, pulleys, levers and linkages.)</p>	<p>Mechanical systems (Using cams, pulleys and gears. Programming, monitoring and controlling using ICT.)</p>
Mechanisms/Electronic systems		<p>Mechanisms (Making vehicles with construction kits. Using a range of materials to make wheels/axles.)</p>	<p>Electrical Systems (Incorporating a circuit into a model using switches, bulbs and buzzers.)</p>	<p>Electronic systems (Using switches, bulbs, buzzers and motors. Programming, monitoring and controlling using ICT.)</p>
Food	<p>Food Using tools and equipment for food preparation. Experiencing the preparation of different foods using a variety of tools and equipment in adult led activities.</p>	<p>Food (Investigating diet/where food comes from. Learning simple chopping and measuring techniques.)</p>	<p>Food (Exploring seasonality, where food is grown and healthy eating choices. Following recipes and combining a range of ingredients.)</p>	<p>Food (Preparing food products taking into account the properties of ingredients and sensory characteristics. Using a range of cooking techniques.)</p>
Textiles	<p>Textiles Explore and experiment with different textures</p>	<p>Textiles (Joining, decorating and colouring fabrics. Cutting out fabrics using a template.)</p>	<p>Textiles (Join fabrics using running stitch. Prototype patterns using J cloths.)</p>	<p>Textiles(Creating 3D products using pattern pieces and seam allowance. Joining fabrics using a range of stitches.)</p>

	Safely use and explore a variety of materials.			
	<p>Evaluating Express & communicates working theories, feelings & understandings Responds imaginatively to art works & objects Return to & build on previous learning, refining ideas & developing their ability to represent them Discuss problems & how they might be solved</p>	<p>Explore existing products (Investigating how existing products have been made, talking about their evaluation of products and creating designs from their findings.)</p>	<p>Investigating existing products (Investigating and analysing existing products. Researching the needs of the user and using information gathered to create own design criteria.)</p>	<p>Evaluating existing products (Researching and evaluating existing products –including book and web based research. Understanding key influencers of design. Giving reports using technical vocabulary.)</p>