

DT Skills Progression- Design, Make and Evaluate



	Foundation	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Design	<p>Use criteria to design and make purposeful, functional items.</p> <p>Make pictures of their design saying what they want to make.</p> <p>Critique and redraft the product when necessary.</p>	<p>Design and make purposeful and functional products.</p> <p>Use pictures and words to convey what they want to design and make.</p> <p>Describe and explain what they are making, how it works and what they need to do next.</p>	<p>Design and make purposeful, functional and appealing products.</p> <p>Use drawings with notes to record ideas as they are developed.</p> <p>Discuss their work as it progresses.</p>	<p>Use research to develop the design of functional and appealing products.</p> <p>Record plan by drawing labeled sketches or writing and discuss this while working.</p>	<p>Use research and develop design criteria to design functional and appealing products that are fit for purpose.</p> <p>Consider different ways in which they can creatively record their planning to engage an audience.</p>	<p>Use research and develop design criteria to design innovative, functional and appealing products that are fit for purpose and aimed at particular groups or individuals.</p> <p>Develop and communicate design ideas using annotated sketches, detailed plans, oral and digital presentations.</p>	<p>Use research and exploration to identify and understand user needs when designing a product.</p> <p>Develop and communicate design ideas using annotated sketches, detailed plans, oral and digital presentations and computer based tools.</p>
Make	<p>Use the correct tools for the job.</p> <p>Know the tools they are using.</p> <p>Use equipment</p>	<p>Name the tools you are using.</p> <p>Use given tools for a variety of tasks eg knife, grater, chopping</p>	<p>Select and name the tools needed to work the materials eg spoons, cups, needles, yarn, scissors, saws</p>	<p>Think ahead about the order of their work and plan tools and materials needed. E.g. Weighing</p>	<p>Use tools and equipment, including those needed to weigh and measure ingredients, with accuracy.</p>	<p>Select and use tools and equipment for a range of uses. E.g. cut and Shape ingredients, join</p>	<p>Select from and use specialist tools and techniques for a range of uses. E.g. Whisk, craft knife,</p>

	safely.	board, scissors, needles, pins, scissors, templates, glue and tape. Join appropriately for different materials and situations. Explore ideas by rearranging materials eg paper, card, ingredients, fabrics, sequins, buttons, tubes, dowel, cotton reels, paper, card and mouldable materials.	and drills. Select materials from a limited range to meet design criteria.	scales, glue gun, ruler. Consider working characteristics of materials.	Join and combine a range of materials, some with temporary, fixed or moving joints.	fabrics, cut accurately and safely, use bradawl to mark holes, hand drill and pin and tacks during textile work. Join and combine a range of materials and ingredients using appropriate methods. E.g. beating, rubbing in, drilling, glueing, sewing, screwing.	cutting mat, safety ruler. Select from and use a wider range of materials, components and ingredients taking into account their aesthetic properties.
Evaluate	Say what they like and dislike about products that are already known. Begin to say how they could improve a product offering own ideas.	Explore existing products. Say what they like and do not like about products they have made. Consider and explain how the finished product	Explore and evaluate existing products. Talk about their developing designs and identify good points and areas to improve throughout the	Investigate and analyse a range of existing products. Identify strengths and areas to improve in their own design. Identify what	Use investigations of existing products to inform planning of their own product. Check their work as it develops and modify approach in	Show a clear understanding of the specification and use this to inform decisions. Justify decisions about materials and methods of construction.	Test, evaluate and refine ideas and products against a specification. Justify decisions made during the design process. Evaluate

		could be improved.	design process. Evaluate their product and its appearance against a design criteria.	does and does not work in the product.	light of progress. Discuss how well their product meets the design criteria and the needs of the user.	Evaluate products and use of information sources.	products and use of information sources throughout the process and use this to inform planning.
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