

Collierley Primary School

DT Progression of Skills

	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Developing, planning and communicating ideas	Talk about ideas before making	Suggest what they are going to make Consider and list materials and tools required Draw simple designs and name product before making	Draw on their own experience to help generate ideas Suggest ideas and explain what they are going to do Model their ideas in card and paper Develop their design ideas applying findings from earlier research	Generate ideas by drawing on their own and other people's experiences Develop their design ideas through discussion, observation, drawing and modelling Identify a purpose for what they intend to design and make Identify simple design criteria Make simple drawings and label parts	Generate ideas for an item, considering its purpose and user/s Identify a purpose and establish criteria for a successful product Plan the order of their work before starting Explore, develop and communicate design proposals by modelling ideas Make drawings with labels when designing	Generate ideas, considering the purposes for which they are designing Make labelled drawings from different views showing specific features Develop a clear idea of what has to be done, planning how to use materials, equipment and processes and suggesting alternative methods of making, if first attempts fail Evaluate products and identify criteria that	Generate ideas through brainstorming and identify a purpose for their product Draw up a specification for their design Develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making if the first attempts fail Use results of investigations, information sources, including ICT	Communicate their ideas through detailed labelled drawings Develop a design specification Explore, develop and communicate aspects of their design proposals by modelling their ideas in a variety of ways Plan the order of their work, choosing appropriate materials, tools and techniques

						can be used for their own designs	when developing design ideas	
Working with tools, equipment and components to make quality products, including food	With support use a range of tools and techniques Use tools safely with support Explore construction materials and tools	Use a range of tools and techniques With support where required, use tools safely Join and make using a variety of construction materials and techniques Use basic food hygiene practices	Make their design using appropriate techniques With help, measure, mark out, cut and shape a range of materials Use tools safely Assemble, join and combine materials and components together using a variety of temporary methods Select and use appropriate materials, processes and tools Use basic food handling and hygiene practices	Begin to select tools and use correct vocabulary to name and describe them Measure and cut with some accuracy Use hand tools safely and appropriately Assemble, join and combine materials in order to make a product Cut, shape and join fabric Follow safe procedures for food safety and hygiene Choose and use appropriate finishing techniques	Select tools and techniques for making their product Measure, mark out, score and assemble components with more accuracy Work safely and accurately with a range of simple tools Think about their ideas as they progress and be willing to change things if this helps them to improve their work Demonstrate hygienic food preparation and storage	Select appropriate tools and techniques for making their product Measure, mark out, cut and shape a range of materials using appropriate tools, equipment and techniques Join and combine materials and components in temporary and permanent ways	Select appropriate materials, tools and techniques Measure and mark out accurately Use skills in using different tools and equipment safely and accurately Weigh and measure accurately (time, dry ingredients, liquid) Apply the rules for basic food hygiene and other safe practices Cut and join with accuracy to ensure a good quality	Select appropriate tools, materials, components and techniques Assemble components to make working models Use tools safely and accurately Construct products using permanent joining techniques Make modifications as they go along Pin, sew and stitch materials together to create a product

			Use simple techniques to improve the appearance of a product		Use finishing techniques to improve the appearance of their product using a range of equipment, including ICT		finish to the product Use simple graphical communication techniques	Apply the rules for basic food hygiene and other safe practices Achieve a quality product
Evaluating processes and products	Say what they like, and later, dislike about their creations	Say how they would change their work if they were to re-make it	Evaluate their product by discussing how well it works in relation to the purpose Evaluate their products as they are developed, identifying strengths and possible changes they might make Evaluate their product by asking questions about what they have made and how they have gone about it	Evaluate against their design criteria Evaluate their products as they are developed, identifying strengths and possible changes they might make Talk about their ideas, saying what they like and dislike about them	Evaluate their product against original design criteria Disassemble and evaluate familiar products	Evaluate their work both during and at the end of the assignment Evaluate their products carrying out appropriate tests	Evaluate a product against the original design specification Evaluate it personally and seek evaluation from others	Evaluate their products, identifying strengths and areas for development, and carrying out appropriate tests Record their evaluations using drawings with labels Evaluate against their original criteria and suggest ways that their product could be improved

