

St Benedict's CofE VA Junior School – Design and Technology Skills progression

Skills	Year 3	Year 4	Year 5	Year 6
Developing, planning and communicating ideas	<ol style="list-style-type: none"> 1) Generate ideas for an item, considering its purpose and the user/s 2) Identify a purpose and establish criteria for a successful product. 3) Plan the order of their work before starting 4) Explore, develop and communicate design proposals by modelling ideas 5) Make drawings with labels when designing 	<ol style="list-style-type: none"> 1) Generate ideas, considering the purposes for which they are designing 2) Make labelled drawings from different views showing specific features 3) 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 4) Evaluate products and identify criteria that can be 	<ol style="list-style-type: none"> 1) Generate ideas through brainstorming and identify a purpose for their product 2) Draw up a specification for their design 3) 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 4) Use results of investigations, information sources, including ICT when developing design ideas 	<ol style="list-style-type: none"> 1) Communicate their ideas through detailed labelled drawings 2) Develop a design specification 3) Explore, develop and communicate aspects of their design proposals by modelling their ideas in a variety of ways 4) Plan the order of their work, choosing appropriate materials, tools and techniques
Working with tools, equipment, materials and components to make quality products (inc-food)	<ol style="list-style-type: none"> 6) Select tools and techniques for making their product 7) Measure, mark out, cut, score and assemble components with more accuracy 8) Work safely and accurately with a range of simple tools 9) Think about their ideas as they make progress and be willing change things if this helps them improve their work 10) Measure, tape or pin, cut and join fabric with some accuracy 11) Demonstrate hygienic food preparation and storage 12) Use finishing techniques strengthen and improve the 	<ol style="list-style-type: none"> 5) Select appropriate tools and techniques for making their product 6) Measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques 7) Join and combine materials and components accurately in temporary and permanent ways 8) Sew using a range of different stitches, weave and knit 9) Measure, tape or pin, cut and join fabric with some accuracy 10) Use simple graphical communication techniques 	<ol style="list-style-type: none"> 5) Select appropriate materials, tools and techniques 6) Measure and mark out accurately 7) Use skills in using different tools and equipment safely and accurately 8) Weigh and measure accurately (time, dry ingredients, liquids) 9) Apply the rules for basic food hygiene and other safe practices e.g. hazards relating to the use of ovens 10) Cut and join with accuracy to ensure a good-quality finish to the product 	<ol style="list-style-type: none"> 5) Select appropriate tools, materials, components and techniques 6) Assemble components make working models 7) Use tools safely and accurately 8) Construct products using permanent joining techniques 9) Make modifications as they go along 10) Pin, sew and stitch materials together create a product 11) Achieve a quality product

	appearance of their product using a range of equipment including ICT			
Evaluating processes and products	13) Evaluate their product against original design criteria e.g. how well it meets its intended purpose 14) Disassemble and evaluate familiar products	11) Evaluate their work both during and at the end of the assignment 12) Evaluate their products carrying out appropriate tests	11) Evaluate a product against the original design specification 12) Evaluate it personally and seek evaluation from others	12) Evaluate their products, identifying strengths and areas for development, and carrying out appropriate tests 13) Record their evaluations using drawings with labels 14) Evaluate against their original criteria and suggest ways that their product could be improved
	1)	1)	1)	1)
	2)	2)		2)

	3)	3)		3)
	4)	4)	2)	4)
	5)	5)	3)	5)
		6)	4)	6)