

Areas		Design and Technology Skills	Years 3 and 4						
		Year:							
		Staff:							
To Master Practical Skills	FOOD	Prepare ingredients hygienically using appropriate utensils.							
		Measure ingredients to the nearest gram accurately.							
		Follow a recipe.							
		Assemble or cook ingredients (controlling the temperature of the oven or hob, if cooking).							
	MATERIALS	Cut materials accurately and safely by selecting appropriate tools.							
		Measure and mark out to the nearest millimetre.							
		Apply appropriate cutting and shaping techniques that include cuts within the perimeter of the material (such as slots or cut outs).							
		Select appropriate joining techniques.							
	TEXTILES	Understand the need for a seam allowance.							
		Join textiles with appropriate stitching.							
		Select the most appropriate techniques to decorate textiles.							
	ELECTRICALS AND ELECTRONICS	Create series and parallel circuits.							
	COMPUTING	Control and monitor models using software designed for this purpose.							
	CONSTRUCTION	Choose suitable techniques to construct products or to repair items.							
		Strengthen materials using suitable techniques.							
MECHANICS	Use scientific knowledge of the transference of forces to choose appropriate mechanisms for a product (such as levers, winding mechanisms, pulleys and gears).								
To design, make, evaluate and improve	Design with purpose by identifying opportunities to design.								
	Make products by working efficiently (such as by carefully selecting materials).								
	Refine work and techniques as work progresses, continually evaluating the product design.								
	Use software to design and represent product designs.								
To take inspiration from design throughout history	Identify some of the great designers in all of the areas of study (including pioneers in horticultural techniques) to generate ideas for designs.								
	Improve upon existing designs, giving reasons for choices.								
	Disassemble products to understand how they work.								