

CURRICULUM END POINTS



DESIGN TECHNOLOGY

Year Group	End Points
1	A successful designer in Year 1 can:
	 Mechanisms Select appropriate materials for durability Create products using levers and wheels
	 Cooking and Nutrition Cut ingredients safely and hygienically Assemble or cook ingredients
	 Materials Cut materials safely using tools provided Demonstrate a range of cutting and shaping techniques Measure and mark out to nearest CM Demonstrate a range of joining techniques
2	A successful designer in Year 2 can:
	 Textiles Shape textiles using a template before decorating and joining pieces using a simple running stitch Colour and decorate textiles Construction Use a range of techniques (e.g. screwing, gluing and nailing) to practise joining skills and strengthening
	these joints
	 Mechanisms Create a product using axels and wheels Demonstrate a range of joining techniques
3	A successful designer in Year 3 can:
	 Construction Choose suitable techniques to construct products or to repair items Strengthen materials using suitable techniques
	 Cooking and nutrition Prepare ingredients safely and hygienically using appropriate utensils Measure ingredients to the nearest gram Assemble and cook ingredients (controlling the temperature of the oven or hob if cooking)
	 Materials Cut materials accurately and safely by selecting appropriate tools Select appropriate joining techniques Measure and mark out to the nearest MM Apply appropriate cutting and shaping techniques that include cuts within the perimeter of the material (such as slots or cut-outs)

4	A successful designer in Year 4 can:	
	Textiles	
	Understand the need for a seam allowance	
	Select the most appropriate techniques to decorate textiles	
	 Include a fastening Create objects (such as a cushion) that employ a seam allowance Join textiles with a combination of appropriate stitching techniques 	
		Electric and Electronics
		Create parallel circuits
	Create series circuits	
	Mechanisms	
	• Use scientific knowledge of the transference of forces to choose appropriate mechanisms for a product	
	(e.g. levers, winding mechanisms, pulleys and gears)	
	5	A successful designer in Year 5 can:
Construction:		
filling and sanding)		
Cooking and Nutrition		
 Measure accurately and calculate ratios of ingredients to scale up of down from recipe Create and refine recipes, including ingredients, methods, cooking times and temperatures 		
Electric & Electronics:		
• Create circuits using electronics kits that employ several components (e.g. LEDs, resistors, transistors and		
chips)		
Create circuits using electronics kits that employ several components with increasing confidence		
6	A successful designer in Year 6 can:	
	Textiles	
	Create objects (such as a cushion) that employ a seam allowance	
	• Join textiles with a combination of stitching techniques (e.g. back stitch for seams and running stitch to	
	attach decoration)	
	 Cut materials with precision and refine the finish with appropriate tools (such as sanding wood after cutting or a more precise scissor cut after roughly cutting out a shape) 	
	Materials	
	• Show an understanding of the qualities of materials to choose appropriate tools to cut and shape (e.g. the nature of fabric may require sharper scissors than would be used to cut paper)	
	Mechanisms	
	Convert rotary motion to linear using cams	
	Use innovative combinations of electronics (or computing) and mechanics in product designs	