



Y7 Curriculum Map: Design & Technology

	Timing*	Unit	Core content	Core objectives	Key Skills
1	Rotation 1	Food Technology	<ul style="list-style-type: none"> Practical and theory food skills, and evaluation of products 	<ul style="list-style-type: none"> understand and apply the principles of nutrition and health become competent in a range of cooking techniques understand the importance of health and safety be able to effectively evaluate own products and that of others. design products to meet the needs of clients and consumers; 	<ul style="list-style-type: none"> Problem solving Evaluating Creativity Designing
2	Rotation 2	Systems & Control	<ul style="list-style-type: none"> Basic systems knowledge and how to generate a range of creative design ideas. 	<ul style="list-style-type: none"> use a variety of approaches to generate creative ideas investigate new and emerging technologies understand how a basic circuit works understand the importance of health and safety be able to test and evaluate be creative and innovative when designing; 	<ul style="list-style-type: none"> Problem solving Analysing Designing Reflecting Evaluating Sketching CAD/CAM skills
3	Rotation 3	Resistant Materials	<ul style="list-style-type: none"> Practical and theory Resistant material skills and how to plan effectively for making a product 	<ul style="list-style-type: none"> use tools and equipment safely with regard to themselves and others; understand the importance of health and safety understand how to plan the making process effectively Be able to problem solve and evaluate the design and make process 	<ul style="list-style-type: none"> Researching Problem solving Analysing Reflecting Evaluating Designing
4	Rotation 4	Textiles	<ul style="list-style-type: none"> Basic Textiles skills and how to research and investigate. 	<ul style="list-style-type: none"> Understand the uses and properties of fabrics and textiles Analysing existing products and solutions to inform designing and making. design products to meet the needs of clients and consumers; 	<ul style="list-style-type: none"> Creativity Designing Sketching Annotating Evaluating



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				<ul style="list-style-type: none">respond to briefs, developing their own proposals and producing specifications for productsunderstand how to thread and use a sewing machine effectively.product development;	<ul style="list-style-type: none">Presentation