

CURRICULUM MAP: Design Technology

*“We believe that every one of our students, regardless of background, is entitled to encounter the best that has been thought, said and done through a broad and ambitious curriculum.”*

*‘Design Technology is a multi-faceted subject incorporating the designing and making of products through resistant materials, fabric and paper and card.’*

	TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Year 11 Units	NEA	NEA	NEA	Revision	Revision	
Key concepts	Research and initial ideas	Development of ideas and prototypes	Final idea and realisation of product			
Builds on	Practice NEA	Practice NEA	Practice NEA			
Leads to						
Year 10 Units	Designers Design and make a product using restricted materials in the style of a designer	Batch produced products Design and make 5 identical products using recycled materials	Multi material product Design and make a prototype stool with upholstered top.	Practice NEA		NEA
Key concepts	Designing using the work of others	Social, moral and economic factors affecting design	Knowledge of materials and manufacturing techniques	Use of Contextual Challenge to create a brief Creating a specification for the brief		Exploration of the task and contextual challenge
Builds on knowledge of...	Year 8 Art Inspired Cushion	Year 9 Recycled Owl	Year 9 Bookend	KS3 Designing and Making		Practice NEA
Leads to..	Use of existing designers to inspire new designs	Core knowledge for exam	Core knowledge for exam	NEA – Release date 1 <sup>st</sup> June		
Year 9 Units	Sublimation Printed Bag Design and make a repeating fabric pattern to be sublimation printed onto a calico bag.		Recycled Owl Design and make a memory owl made from recycled scraps of fabric			
Key concepts	Surface and printing techniques for fabric Repeating fabric pattern Prototype, production, planning		6R's Reduce, Reuse, Refuse, Rethink, Repair, Recycle Case study Sustainability, social responsibility, social footprint			
Builds on knowledge of...	Materials and their properties		Client based design			
Leads to..	Smart and New Materials		GCSE Key words and concepts			
Year 9 Units	Acrylic Keyring Design and make a keyring made from 3 pieces of acrylic using organic shapes		Wooden Bookends Design and make a set of bookends using softwood and plywood, waxing the softwood and painting the plywood.			
Key concepts	Materials Knowledge – Plastics and Polymers Working safely in a workshop Use of hand tools		Materials Knowledge – Hardwoods, Softwoods, Man made boards Isometric drawing Finishing woods			
Builds on knowledge of...	Design for a client		Surface techniques and finishes			
Leads to..	Materials Knowledge - Woods		GCSE Key words and concepts			
Year 8 Units	Drawstring Bag Design and make a drawstring bag using two fat quarters		Art Inspired Cushion Design and make a cushion inspired by an art movement that will be drawn onto calico and made into a cushion cover			
Key concepts	Materials Knowledge – Fabrics Working safely in textiles and use of a sewing machine Manufacture, Product, Annotation		Pop Art, Street Art, Cubism Using the work of others to inspire design Research, art movements, combining ideas			
Builds on knowledge of...	Manufacturing products		Use of machinery in textiles			
Leads to..	Materials Knowledge - Polymers		Knowledge of existing designers			
Year 7 Units	Chocolate Bar Design Design and make the wrapper for a chocolate bar which is Fair Trade.		Trainers Project Design and make a prototype of an Air Force Trainer, made from laser cut plywood and decorated as a custom design			
Key concepts	Fair Trade Design Skills Design, Client, Ideas		Designing For A Client Iterative Design Existing Products, Development, Prototype			
Builds on knowledge of...	Fonts and images on products		Designing, rendering and annotating			
Leads to..	Designing for Client		Designing and developing ideas			