Textiles 5-Year Curriculum Map

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Textiles - Mini Monsters					
	Textiles - Mini Monsters Creative design, basic sewing techniques					
Year 8	Textiles - Fleece hats					
	Textiles - Fleece hats Creative design, fashion design, working with new materials, sewing machine techniques					
Year 9	Memphis PJs	Memphis PJs	Upcycling	Upcycling	Guided NEA - Disability	Guided NEA - Disability
	The work of others, design strategies, product analysis, seam allowance, garment cutting, free-hand sketching,	Overlocking on sewing machine, scales of production, user centred design, prototype development, Printing techniques, fabric	Materials and their working properties, Design strategies, life cycle assessment, sustainability, upcycling	Design for disassembly, Prototype development, industry, design strategies, communication of ideas, realisation of ideas	Industry, enterprise, people, culture, society, informing design decisions, social footprint	Moral, social, cultural issues, modern materials, smart materials, new and emerging technologies, composite materials, technical textiles
Year 10	Mock NEA - Children's toy	Mock NEA - Children's toy	Mock NEA - Children's toy	Mock NEA - Sporting equipment	Mock NEA - Sporting equipment	NEA: Investigating Design Possibilities / Design Brief / Specification
	Research, Writing a design brief and specification using research. Product analysis, environmental research,	How products can be developed, Quality control, methods of manufacture, mechanical devices, systems approach to design.	Manufacture of prototype, specialist techniques, processes and material management, overlocking, sewing, quality control, how materials are cut, treatments and finishes	Research and project development. Writing a design brief and specification using research. Product analysis, branding, marketing, industry, enterprise, printing	Product development, communication of ideas, prototype development, ecological & social footprint, production techniques & systems, Textiles, forces and stresses on material objects specialist tools and equipment	Social, moral cultural, environmental research. Initial research stage. Design brief and investigation
Year 11	NEA: Generating / Developing Ideas	NEA: Realising Ideas / Analysis & Evaluation	Exam Prep: Core Technical Principles	Exam Prep: Specialist Technical Principles	Exam Prep: Designing & Making Principles	
	Research and project development. Writing a design brief and specification using research. Design ideas and initial development.	Prototype development considering the concept of life cycle. Researching material sources and origins. Modelling and manufacture.	Use CAD and related software packages to validate their designs in advance of manufacture. Create production schedules that inform manufacture.	Physical properties of materials e.g. grain, brittleness, flexibility, elasticity, malleability and thermal	Classifying materials by structure e.g. hard words, soft woods, ferrous and non-ferrous, thermoplastic and thermosetting plastics	Final revision sessions and exam