Year: 7	Curriculum Intent:								
	Students will develop a firm understanding of a range of useful fibres and fabrics and their properties through the analysis,								
Subject:	design, and development of an LED incorporated pencil case. The introduction of subject specific vocabulary and their								
Design and	and equipment through challenging practical activities, learning and using knowledge of health and safety in the workshop to								
Technology	8 textiles.								
- Textiles									
	Year 7 rotation								
	LED pencil case project (Electrotex)								
	1. Health and safety	8. Creatin	g templates and modelling ideas						
Topic Titles (in order of delivery)	2. Fibres and fabrics – specifically non-wo	oven fabric 9. Learnin	Learning how to use sewing machine safely						
	3. Product analysis	10. Pinning	10. Pinning and cutting fabrics accurately and safely						
	4. Hand embroidery skills	11. Sewing	11. Sewing applique						
	5. Understanding and exploring a given b	rief 12. Learn h	12. Learn how to attach a zip using a sewing machine						
	6. Writing a specification	13. Learn h	13. Learn how to stitch a textiles electronic circuit						
	7. Designing and developing ideas 14. Evaluating the project and modifying								
	How different hazards should be identified and mitigated in the textiles workshop?								
	How different fibres and fabrics have different properties and uses?								
	How does ACCESSFM acronym enable us to evaluate multiple aspects of a product?								
Key knowledge /	How to achieve the best quality outcome using a variety of appropriate tools and equipment?								
Retrieval topics	Why do we analyse products and what do designers do with that information?								
•	 What is the purpose of developing ideas and how should these be communicated? 								
	 How can you achieve the highest quality outcome from your practical activities? 								
	 How does evaluation enable designers to design better products? 								
	To enable students to conduct their practic	cal activities safely a knowledge	of health and safety specific to the space they will h	e working in is					
	imperative								
	Following this, a knowledge of fibres and fabrics enables students to understand why they are working with the chosen materials to support								
	their decision making and understand how they are appropriate for the specific product.								
Understanding /	With this knowledge and experience they should be able to design a range of suitable designs based on analysis of products and knowledge of								
Sequence of	materials and processes.								
delivery	These areas of knowledge should then support students moving forward to learning how to use appropriate tools and equipment safely and with								
	the appropriate materials.								
	The final stage of the process is to evaluate their process and outcome to suggest how they might make improvements going forward and reflect								
	upon their learning.								
Key vocabulary	Fibres and fabrics	Needle	Sew						
	Woven	Thread	Stitch						

	Non-w knitted Analys Design Annot Target	Non-woven knitted Analyse and evaluate Design ideas Annotation Target market		Shears and scissors Thread Sewing machine LED circuit Zip		Applique Seam allowance Templates ACCESSFM		
Assessment		Knowledge and Design understanding		solutions and food choice	Plan and prepare		Practical skills	Analyse and evaluate
	3	Demonstrate relevant knowledge and understanding of principles and processes/ properties.	Produce straightforward solutions that meet the requirements of the problem in familiar and unfamiliar contexts.		Use simple scientific knowledge and mathematical skills to prepare products and select some appropriate materials and equipment.		Safely apply a range of skills, processes and techniques in the production of familiar products/ prototypes/ dishes.	Make straightforward comments about their work and the work of others using some appropriate language and some technical terms.
	2	Demonstrate some relevant knowledge and understanding of principles and processes properties.	Produce meet sou the pro context mean	Produce basic solutions that meet some requirements of the problem in a familiar context using appropriate means to explain their ideas.		me simple mowledge to I prepare a duct including e of basic atical skills.	Safely apply limited skills, processes and techniques in the production of familiar products/ prototypes/ dishes.	Make straightforward and obvious comments about their work and the work of others using everyday language and some technical terms.
	1	Demonstrate limited knowledge and understanding of principles and processes/ properties.	Produc tha requ prob context o to ex	t limited solutions at meet some irements of the lem in a familiar using limited means plain their ideas.	Use limite knowledg plan effect basic math	ed scientific e to follow a ively and use ematical skill.	With support, safely apply limited skills, processes and techniques in the production of familiar product/ prototypes/ dishes.	Limited and straightforward comments about their work and the work of others.