GCSE Fashion

Year 10

Week	Subject Topic		Key Learning points/big questions	T3 Vocab	Independent/Home learning	Linked Assessment	Resources
Unit 1				Synthetic Natural Fibre Yarn Weft Warp Plain seam French seam Double stitch seam CAD CAM Biomimicry Pine Deciduous Softwood Hardwood Woven Knitted Bonded Resist Mordant Blending Laminating Lever Pivot Load			
1	Dyeing – Natural/chemicals Demo of dye colour magnet. Fibres and their sources Design Brief Biomimicry Simple Stencil design CAD		**<u>Intentions</u>** **To gain knowledge on natural and synthetic fibres and their sources.** **To understand how dye is successfully applied to fabric.** **To gain an understanding of the difference between chemical and natural dyes.** **Be able to define biomimicry and who it can be used to inspire product design.** **Use CAD to create a simple stencil inspired by biomimicry.** **<u>Questions:</u>** Where do natural and synthetic fibres come from. Give examples. What is a yarn? What is a fibre? What is a staple and filament fibre? What is biomimicry What does CAD stand for? Which fabric should be used for dyeing? Why?		Knowledge organiser self-quiz: Read and revise the main knowledge from your KO, cover and write your own summary. Fill in the box to include any questions for your teacher you may have	1.10 – CAD 1.11 – CAM 2.1 – Sustainability 2.2 – SCEE issues 12.7 – natural polymers 12.8 – manufactured polymers 12.10 – staple and continuous fibres 12.24 – dyeing 12.25 – printing	
2	Fabric construction Apply colour magnet and dye. Demo solarfast (screen printing?) Find image to use for solarfast		**<u>Intentions</u>** To gain knowledge on the three main fabric construction types; woven, knitted and bonded. Demonstrate the ability to create a unique fabric print using a variety of decorative techniques. **<u>Questions:</u>** What are the three main fabric construction types? How are these constructed? What are their properties? Where would they be used? Label a woven fabric with the weft, warp, grain and bias.		Knowledge organiser self-quiz: Revise the key vocabulary on your KO. Self test your understanding using the sheet provided.	12. 1 – construction methods 12.2 – weaving 12. 3 – bonding 12.4 – bonding 12. 6 – felting	
3	Sewing machine 1 Blending & mixing fibres Fabric treatments Laminated fabrics Apply solarfast Sewing machine 2		**<u>Intentions</u>** **To gain knowledge on blending and mixing of fibres and the reasons for doing this.** **To investigate what treatments can be applied to fabrics to improve their properties.** **To understand what laminating is and how this can be applied to fabrics.** **To understand what gortex and Permatex are.** **<u>Questions:</u>** What is a composite? Give an example of a blended and mixed fibre. Why would you blend or mix fibres? What is laminating? Why would you laminate a product? What is flame retardance, stain protection, rot proofing and water resistance?		Knowledge organiser self quiz: Generate 10 questions from the information on your KO. Self test yourself using these questions.	12. 5 – laminating 12.9 – blending and mixing 12.11 – goretex and Permatex 12.13 – fabric finishes	

4	Seams (plain, French, double stitch) Seams (plain, French, double stitch)		**Intentions** **Demonstrate the ability to produce a plain, French and double stitch seam** **Questions:** What is a seam? What is a seam allowance? How do you produce a plain/French/double stitch seam? What products would the seams be used on? Why? How do you neaten the raw edge?		Knowledge organiser self quiz: Produce a mind map of all the information you have learnt from the KO. Add knowledge you have gained from your lessons.	12.18 – neatening 12.22 – seam tolerance	
5	Hem and finishing edges Pine wood Assembling frame Types of motion Attaching fabric to frame		**Intentions** To demonstrate how to produce a hem. To gain knowledge on pine wood, its uses, and properties. To demonstrate basic skills when working with wood. **Questions:** What is linear, reciprocating, oscillating and rotary motion? Give examples of products which use each type of motion. What is he difference between a soft and hard wood? What are the properties and uses of pine?		Knowledge organiser self quiz: Generate 10 questions from the information on your KO. Self test yourself using these questions.	9.1 – hard and softwoods 9.2 – deciduous/ non deciduous trees	
6	Assessment/ Evaluation Levers		**Intentions** To measure your understanding of knowledge gained this term with a written assessment. To gain an understanding of levers, the types and their uses. **Questions:** What are first, 2nd and third order levers? Label the load, pivot and effort Explain what would happen if these parts of a lever moved position. Give product examples for each lever type.		Complete brain dump 1 activity. Write in the box, everything you currently know about production types, both from lessons and the KO.	7.6 – Levers and linkages	