



Design Technology Department Curriculum and Assessment Map

N.B. Unit taught on rotation

Year	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Unit – Textiles	Textile origins Fibre processing	Project brief Specification	Designing Practical Stitch techniques	Practical Stitch techniques	Final design ideas Pattern cutting	Practical making	Practical making RMDE Assessment	Product evaluation
Fundamental Knowledge	Students will understand that textiles are materials made from fibres, which can be natural or synthetic. Natural fibres come from plants and animals, while synthetic fibres are man-made.	To understand the role of textiles in cultures around the world, and the vibrant fabrics, embroidery and decorative traditions associated with Day of the Dead celebrations. To use knowledge to inspire their own design work throughout the project. To develop a specification list that a product must meet. Make informed decisions about materials, size, appearance, and function.	Students create and develop ideas before making a final product. Design ideas should reflect the Day of the Dead theme through colour, pattern, and imagery. Sketching is used to communicate design ideas. Understand that different stitch techniques create different effects and finishes. Accuracy and control are important when using sewing equipment.	Understand that different stitch techniques create different effects and finishes. Accuracy and control are important when using sewing equipment. Accurate stitching requires good control, consistent stitch size, and safe use of sewing equipment. Careful stitching improves the appearance, durability, and overall quality of a textile product.	Students will understand how to refine and develop ideas and that a final design is a detailed plan. Students will know that pattern cutting is the process of creating templates or shapes that can be accurately transferred onto fabric before construction, recognising the importance of accuracy.	Follow procedures for health and safety and understand the process of risk assessment Students will select appropriate textile tools, materials, and techniques to create a final product, measuring, cutting, and stitching accurately to ensure a high-quality finish, with attention to detail to improve the strength, appearance, and success of the outcome.	Follow procedures for health and safety and understand the process of risk assessment Select from and use specialist tools, techniques, processes, equipment, and machinery precisely Select from and use wider, more complex range of techniques, considering their working / aesthetic properties	Test, evaluate and refine their ideas and product against a specification, considering the views of intended users and other interested groups.

Learning Checkpoint Tasks		LC 1 – Fibres and fibre processing	DIRT – Fibre processing		LC 2 – Design Ideas	TA 1 – Final Design		TA2 – Topic Assessment Paper
Common Assessment Task	Analysis of existing products – Identification of function / materials / intended user and their needs		Decision making. Priority of form / function / ergonomics / aesthetics		Developing design ideas which are intrinsically appropriate and justified.		Critical evaluation. Identification of design flaws. Recommendations for modifications.	
Interleaved Knowledge	Understanding that design / product development rarely emerges from a single point. That effective design is founded of / from a balance of several factors – cost – functionality – aesthetics.		Knowledge of textile products and their properties Ability to draw on knowledge from previous experience. Utilise concepts and apply them to current context.		Integrate design thinking skills with practical skills. Application of maths – calculation of quantities for example. Scheduling and prioritising practical processes. Resilience - problem solving and the ability to adapt.			Consider how alternative materials / production processes could affect outcome