



PLUME ACADEMY - LEARNING OVERVIEW

Year	10
Course	GCSE Design and Technology – Textiles
Specification Number/Exam Board	8552/AQA
End of course assessment and weightings	Written Examination – 50% Non Examination Assessment – 50%

Prior Learning

The subject builds on your child's key stage 3 experience in Textiles by:

- Developing research skills for pupil led design projects
- Improving technical skills that pupils already have
- Teaching new, higher level making skills
- Deeper and more expansive knowledge of Design and Technology, as well as a wider range of materials

Curriculum Intent – What are the curriculum aims?

GCSE Design and Technology will prepare students to participate confidently and successfully in an increasingly technological world. Students will gain awareness and learn from wider influences on Design and Technology including historical, social, cultural, environmental and economic factors. Students will get the opportunity to work creatively when designing and making and apply technical and practical expertise.

Our GCSE allows students to study core technical and designing and making principles, including a broad range of design processes, materials techniques and equipment. They will also have the opportunity to study specialist technical principles in greater depth. This course will focus on Textiles.

Curriculum Implementation – What will my child will be learning?

Term 1	Half Term 1	Practical: Pupils will complete a textiles skills portfolio, which will build on prior knowledge and have the opportunity to learn new skills. Including: Theory: New and emerging technologies – including industry and enterprising.
	Half Term 2	Practical: Pupils will begin a soft furnishings design project, and this half term will focus on ideas generation, developing designs and drafting patterns for making. Theory: Materials across DT and their properties (Textiles, metals, timbers, plastics, papers and boards).
Term 2	Half Term 3	Practical: Pupils will make their soft furnishing product this half term, implementing making skills developed in term 1. Theory: Textiles specialist principles – pupils will study textiles in depth, including commercial manufacturing.



	Half Term 4	<p>Practical: Pupils will begin a designer response brief, and this half term will focus on testing appropriate techniques and making.</p> <p>Theory: Energy, materials, systems and devices – pupils will learn about composite materials, energy generation and modern and smart materials.</p>
Term 3	Half Term 5	<p>Practical: Group design project: pupils will implement their knowledge of design, enterprise and production in a group enterprising project. They will work as a team to batch produce a textiles product.</p> <p>Theory: Making principles – pupils will learn about material management and specialist tools, equipment, techniques and processes.</p>
	Half Term 6	During this half term, pupils will be given their Non Exam Assessment Brief to begin researching.

Curriculum Impact – How will progress be assessed as I learn?

At the end of each unit of study, pupils will sit a short assessment. This will be teacher assessed, with grades and feedback provided. Pupils will also receive verbal feedback on their practical work throughout year 10.

Super-Curricular Opportunities – Support and Extending Learning

Useful study resources	If a student is really passionate about this subject...	As a parent/carer, I can assist my child in this subject by:
https://revisetextiles.wordpress.com/smart-materials-and-modern-textiles-1-1/ https://www.bbc.co.uk/bitesize/subjects/zvg4d2p https://www.bbc.co.uk/bitesize/guides/zjc3rwx/revision/1 https://studyrocket.co.uk/revision/gcse-design-and-technology-aqa/design-and-technology-aqa/textiles-fabrics-and-fibres https://www.vam.ac.uk/collections/textiles	<p>Please visit any of the museums below (or look through their online content):</p> <ul style="list-style-type: none"> - V&A - Design Museum - Museum of London 	<ul style="list-style-type: none"> • Taking them for museum visits