

# Curriculum Map



Exam

Past papers

Students prepare for the exam using revision and exam practice.

Students use their design brief, specification and customer feedback to evaluate their solution.

The final prototype is manufactured independently and documented in making diary.

Students conduct a range of testing, modeling, sketching and evaluation to develop solution to the design brief.



Generation of initial ideas

Exam theory recap

NEA Evaluation

NEA Making

NEA Developing

Section B covers one material in depth.

Forces, functionality, environmental issues and scales of production.



Design strategy, communication techniques and the work of others.



On June 1<sup>st</sup> in Year 10 AQA release the Contextual Challenges.



Students investigate the context of their choice to identify a problem, customer, design brief and write their specification.

Production processes

NEA Context

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NEA Designing

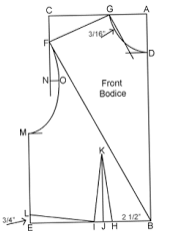
Module 3 covers Industry and enterprise, sustainability, industry, customers and design decisions.



Module 2 covers energy, smart, modern and composite materials, systems and mechanisms.



Module 1 covers materials and their properties. The main categories are papers and boards, timbers, polymers, metals and textiles



Practice NEA task

Quality control

Fabric manipulation

Pattern making

Using their graphics skills, students create a range of initial ideas and annotate them in detail.

Revisit surface decoration through applique, tie dyeing, quilting.



Students use a range of modelling techniques including CAM/CAM to develop a final design



Independently, students manufacture their prototype

The prototype is evaluated against the specification and customer feedback

Core materials

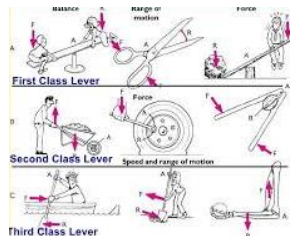
Specification

- A** is for **Aesthetics**
- C** is for **Cost**
- C** is for **Customer**
- E** is for **Environment**
- S** is for **Size**
- S** is for **Safety**
- F** is for **Function**
- M** is for **Material**

Students learn how to investigate a context and determine a Customer, design brief and specification



Students learn how to create initial ideas, develop them through modeling and then make their final product.



Users wants & needs

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Casing & hems

Levers



Students are introduced to CAD/CAM processes. They transfer their own block patterns onto fabric

CAD/CAM



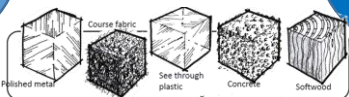
Students investigate, analyse and evaluate the work of designers and companies



Primary & secondary research

Recycling plastic into fabric

Identification of natural and manmade fabrics. Pupils select fabrics fit for purpose



Pupils learn basic techniques used for communicating ideas – observational drawing, tone, colour shading.



Origins of fabrics

Drawing technique

Cutting, measuring & shaping

Workshop health and safety

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