



# Curriculum Map

Exam

Revision

Students prepare for the exam using revision and exam practice.



Section C- Analysing and evaluating



Industrial Practice-  
Scales of production  
Efficient use of materials  
Computer systems  
Digital design  
Modelling

Exam preparation

NEA Evaluation

Industrial Practice

Section D- Development of design prototype(s)



Composite materials-  
Composite materials  
Modern materials  
Smart materials



Processing paper and board

NEA

Composite materials

Processing paper and board  
Forming processes  
Bonding, jigs and fixtures  
Finishing

Performance of papers  
Performance  
Application  
Recycling

Design & make prototypes that are fit for purpose  
Section C- Development of design proposal(s)

Performance of papers

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Design Processes-  
Use of a design process  
Prototype development  
Industrial contexts  
Critical analysis  
Third party testing  
Tools  
Accuracy in design



NEA  
Section a-  
Producing a  
design brief and  
specification.



Responsible Design-  
Environmental issues  
Circular economy  
Conservation of energy  
Planning for accuracy  
QA and QC  
Standards

Responsible Design

Design Processes

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Non-exam Assessment  
Students must undertake a small-scale design and make task and produce a final prototype based on a context and design brief developed by the student.

Identify, investigate & outline design possibilities  
Section A- Identifying and investigating design possibilities

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Design methods-  
Design processes  
Design influences  
Designers and their work  
Socio economic influences  
Developments in technology  
Product life cycle.

Design methods

Jigs, moulds and templates are designed and used to assist product manufacture.



Processing metals-  
Forming metals  
Joining metals  
Wasting metals  
Finishing metals

Processing polymers-  
Working with polymers  
Forming polymers  
Finishing polymers



Product Design-  
Feasibility studies  
Enterprise  
Communicating data  
Design communication



Processing metals

Processing and performance polymers

Product Design/considerations

Processing and performance woods



Performance of metals-  
Stock forms  
Performance  
Testing.



Design, make, test and evaluate group challenge.

Design Challenge



A level PRODUCT Design course introduction.

Students are introduced to Design and Technology safe working practices.

Introduction And safety

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