

Curriculum Map





Section C- Analysing and evaluating



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



Exam preparation

using revision

and exam

practice.

Processing

paper and board

NEA **Evaluation**

Industrial **Practice**

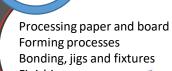
> Composite materials-Composite materials Modern materials **Smart materials**





Section D- Development of design prototype(s)

Composite materials



Performance of papers Performance Application Recycling

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



Finishing

NEA





Responsible Design-





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.

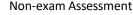


Environmentalissues Circular economy Conservation of energy Planning for accuracyy QA and QC Standards

esign Processes

NEA

NEA



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

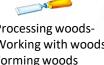






Design methods-Design processes Design influences Designers and their work Socio economic influences Developments in technology Product life cycle.

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



Processing woods-Working with woods Forming woods Finishing woods



Processing metals-Forming metals Joining metals Wasting metals Finishing metals

Working with polymers

Forming polymers Finishing polymers

Processing polymers-

rocessing and performance

Product Design-Feasibility studies **Enterprise** Communicating data Design communication

Product Design/



Design methods

Processing metals



Design, make, test and evaluate group



introduction.

A level PRODUCT Design course

Students are introduced to Design and Technology safe working practices.

Processing and performance

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Performance of metals-Stock forms

Performance Testing.



challenge







