

University & Apprenticeships!



KEY PRINCIPLES OF THE A LEVEL

EXAM

Revision

Non-Exam Assessment, Self Directed Project, User Led Design, Primary & Secondary Research, Creative Idea Generation, Sketching, Prototyping, Product Development, Evaluation, Iteration, Material Testing, Prototype Testing, CAD, CAM

NEA

Year 13

Eco Issues, Circular Economy, Energy Conservation, Quality Assurance & Control,

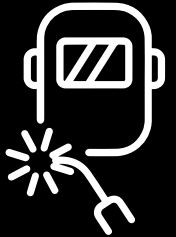
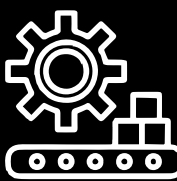
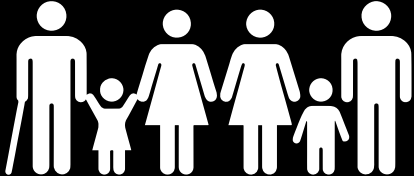
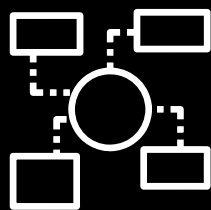
Responsible Design

Product Development, Inclusive Design, Safe Working Practices, Design for Dissassembly, Feasibility, Enterprise, Communicating Ideas, Design Influences, Socio Economic Influence, Developments in Technology

PROBLEM SPOTTING
ITERATION
EVALUATION
USER LED DESIGN
PROTOTYPING
PRIMARY RESEARCH
CLIENT FEEDBACK
PROBLEM SOLVING

CAREERS AND CROSS CURRICULAR LINKS

SCIENCE
MATHEMATICS
BUSINESS
PHYSICS
ENGINEERING
PROJECT MANAGEMENT
MARKETING
PRODUCT DESIGN
RESEARCH



Scales of Production, Computer Systems, Digital Design, Modelling

Industrial Practice

Composite Materials, Smart Materials, Modern Materials

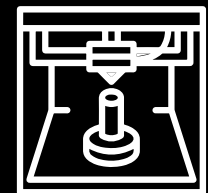
Composite Materials

Types, Stock Forms, Properties, Application, Forming, Treatments & Finishing

Metals



GORE-TEX®



Types, Stock Forms, Properties, Application, Forming, Treatments & Finishing

Polymers

Types, Stock Forms, Properties, Responsible Sourcing, Application, Forming, Treatments & Finishing

Woods

Types, Stock Forms, Properties, Responsible Sourcing, Application, Forming, Treatments & Finishing

Papers & Boards

Review of summer work including researching into new materials not previously learned and drawing practice.

Year 12

