KS5: Design & Technology: Product Design

Wyedean
School and Sixth Form Centre
Aspire together, achieve together
adfecere pariter, perfecere pariter

Further processes and techniques
Stock forms
Exam Technique & Recap
Surface finishes
Specialist techniques
Design strategies
Textile fibres
13
K&U
Final Project
Specialism
Energy generation
End of Year Exhibition
Evaluation and Testing
Manufacturing Final Prototype.
Recap previous
Technical textiles
Smart materials
Composites
Final Design
K&U
Topic 11: Information Handling
13
NEA
3D Intro
Design & Development
Mat. Prop.
Papers and boards
Initial Design Ideas
Metals
Mechanical devices
Specification
K&U
Topic 9: Designing for a cleaner environment
Topic 10: Current Legislation
13
SKILLS
NEA
CAD Modelling
Research
Technical drawing techniques
Gum ball Practical
Motion
Non-ferrous metals
Ferrous metals
Digital Technologies
Idea generation
K&U
Topic 1: Materials and Properties
Force
12
Launch NEA
SKILLS
Practice NEA: Architecture/Interior design brief
Wood joints
Technical sketching
Features of manufacturing industries
2D CAD Higher
Processes, techniques and specialist tools
Form and Function
Metal varieties
Smart Materials
20th Century Design Movements
Topic 5: Anthropometrics and Ergonomics
K&U
Topic 7: Safe working practices
12
SKILLS
Practice NEA: Architecture/Interior design brief
Conversion drawing
Orthographic drawing
Wooden joints
Crating
Pewter Casting
Generating Ideas
Evaluating
Product analysis
H&S
Transition Tasks Review
Topic 5: User Centred Design
K&U
Topic 6: Effects of technological developments
12
SKILLS
Modelling: Miniature chair designs
3D sketching: Isometric
3D sketching: Two Point perspective
3D sketching: One Point perspective
3D sketching: Crating

Transition Tasks: Any students signing up to A Level Product Design will be asked to complete a transition task over the Summer break in order to prepare them for A Level study.