



3D Design Learning Journey 2024/25



Externally Set Exam:

Students complete 10 hour practical exam to manufacture their final piece.

Planning for final outcome.

Development of ideas

Design Ideas using CAD & hand skills..

Observational Studies.

Development of specific skills relating chosen designer.

Practical Exam

Experimenting with finishes:

- Stain
- Wax
- Varnish

Experimenting with joining methods

Development through modelling

Design Ideas using CAD.

Experimentation

Development using CAD.

In Depth investigation

CAD: Final Design.

Exam

- Experimenting with timbers:
- Pine
 - Plywood
 - MDF

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AO2: Creative Making

AO3: Reflective Recording

Mock Exam:

Students complete 5 hour practical exam to manufacture their final piece.

Experimenting with papers:

- Tissue
- Coloured
- Cellulose film

Initial Ideas: Hand Drawn

Modelling ideas

Development through modelling

Final Design through drawing and modelling.

Modelling

Initial Ideas

Experimenting with Acrylic

Mock Exam:
Students complete 5 hour practical exam to manufacture their final piece.

Primary Research: Photography of Storage

Mind Map

AO1: Critical Understanding

AO4: Personal Presentation

AO3: Reflective Recording

AO2: Creative Making

Portfolio Project 1: Storage Project

Process of manufacture.

Primary Research: Photography of Lighting



Secondary Research: Existing Products

Developing Ideas
Experimenting with resin techniques.

Experimenting with Plywood
Sgraffito Technique

Workshop basic skills: Joining methods.

Mind Map

AO1: Critical Understanding

AO3: Reflective Recording

Laser cutting

Experimenting with colour

Experimentation through CAD/CAM

Layering Technique

Bead Technique

Artist copy



Artist research:

- Sonia King
- Emma Biggs
- Antoni Gaudi
- Jim Bacher
- Elaine Goodwin
- Laurel True

Health & Safety expectations

- Rules in the workshops
- PPE
- Use of machinery.



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Portfolio Project 1: Mosaics Project