The Westbourne Academy KS4 Design Technology Journey

Maximising Potential within 3D Design

Architect

Construction

Product Designer

Artist

Carpentry

Year 11

EXAM IN MAY

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10 hour practical assessment

AO4: Personal Presentation

AO2: Creative Making

AO3: Reflective Recording

5 hour practical assessment

AO1: Critical Understanding

ESA Project 3: Externally Set Assignment

AO1: Critical Understanding

AO3: Reflective Recording

AO2: Creative Making

AO4: Personal Presentation

Designer Research

Existing Products Research

Mind Map

Portfolio Project 2: Skeleton/ States of Water

Observational Drawing

Initial Design Ideas

CAD / CAM

Workshop Experiments

Prototyping

Modelling

Computer Aided Design and Manufacture (CAD/CAM) Experiments

TinkerCAD

Workshop Experiments

Timber Joint Experiments

Final Design Idea

Developed Design Ideas

Initial Design Ideas

Observational Drawing

Natural Patterns

Existing Products Research

Health & Safety Expectations

Portfolio Project 1: Habitat

Mind Map

Architect Research

Year 10

10 hour practical assessment

AO4: Personal Presentation

AO2: Creative Making

AO1: Critical Understanding

AO3: Reflective Recording