



# KS4 AQA 3D Design (Product Design)

# Employability Students

tudents can move into a variety of fields with 3D design.

Here are just some examples below

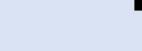
- Architectural design
- Product design
- Interior design
- Environmental/landscape/garden design
- Exhibition design
- 3D digital design Designs for theatre, film and television.

Component 2 Exam

Spring

**Term** 

Engineering design



#### Intervention

Before & after school intervention for additional 1-1 support throughout your studies



### **Employer Engagement**

This represents the areas of your course that will enable you to 'Get Ahead' by working with our partners.

Project 3 AQA GCSE

Summer **Term** 

Project 3 AQA GCSE Component 2 Exam

Summer: **Enrolement on to BTEC Engineering** or apprenticeship.

Project 3 – Compnent 2 – Exam

IA.

The project forms 40% of the students GCSE. The students receive an assignment brief and like component 1 w ork through an iterative design process to complete a final design and make product. Students are givena preparatory period to complete research and ideas followed by 10 hours of supervised time to complete the final outcome

Skills and Techniques

Modelling Skills - Students will experiment with different modelling materials from different boardm materials, clay and many more. They will also develop their skills using different manual and CAD techniques to learn how to best represent an idea in 3D form.

Project 2 AQA GCSE Component

Design,

**Autumn Term** 

e



Skills and Techniques Project



Through Year 10 Students will spend one period a w eek building up their skills and techniques know ledge in a variety of areas to apply to their project w ork.

### Project 2 - Compnent 1

This project forms 60% of the students actual GCSE. Students will be given a design brief with the focus of either Architectural or Product design. Students will workthrough the iterative design process looking a variety of existing design to Design and Make their ow n outcome

Skills and Techniques

Materials and Media - Students will trial a range of media from markers to paint, sublimination printing and pen techniques. Students will also trial these on different materials to experiment with different effects for final products

Project 2 AQA GCSE Component

Spring

**Term** 



Skills and Techniques Project

Summer **Term** 

Project 2 AQA GCSE Component



Skills and Techniques

Drawing Skills - Students will explore a range of drawing skills such as isometric, crating a design, orthographic. Students also look at direction of light rendering, texture of materials rendering and how to use graphic markers to enhance designs.

Project 1 - AFL Stool Project

Students complete a mini design, model and make assessment for this project, looking at the design movement of Memphis to create a stool. Students look at designer influence, modelling skills, surface detail and CAD CAM manufacture

Your two-vear iournev starts here...

You will enrol onto the course in Year 10 and complete your GCSE course in Yearl1.



Skills and Techniques

Product Design



Project 1

**Autumn Term** 

YEAR



Project





AFL Stool Project





