

A Level

# PRODUCT DESIGN (3D)

## Course Overview

The 3D product design course covers many important aspects of design technology and 3D design. It includes both modern and traditional techniques. This course offers units in jewellery design, furniture design, architectural design and product design and students go on to study their own independent projects. This is an exciting and creative course that will inspire and excite students.

## Teaching Methods

Theory and practical work based in design, drawing and computer rooms as well as practical with a large variety of machines in the workshop. CAD/CAM is included with laser cutting and CNC lathe/milling machine. Drawing boards and CAD drawing covered during the 2 years.

## Course Activities

A multitude of skills are taught and learnt during the year, as well as machine and workshop inductions. Visiting crafts designers that demonstrate skills and field trips include Harry Potter world and the Design Museum. Traditional and modern 3D design techniques are on offer.

## Course Components

### Assessment

On-going classroom assessment by teacher. Assessment weeks during the year with mock practical element. Grades accumulate a score out of 100 at the end of the year.

### Coursework 60%

Several mini projects leading to own creative project and written element which is 60% of final grade.

### Examination 40%

15-hour practical exam in year 2 which is 40% of grade.

### Topics:

- Technical drawing skills
- Computer aided design skills
- Workshop skills including health and safety
- Jewellery project
- Furniture project
- Architecture project
- Public sculpture project
- Own creative development project



## Course Outline

Coursework – 60%

Examination – 40%

## Entry Requirements

Minimum of five GCSEs at grade 4 including Maths and English.

Art or design technology GCSE grade 4 or above. Art and design portfolio may be required at interview.

## Student Testimonial



*“The A Level subject I enjoy the most would have to be 3D product design. The reason I enjoy this subject is because it is a fun subject with an amusing environment, helpful classmates and it allows me to be creative and imaginative with my ideas”*

**Ismail Ahmad**

**cadburycollege**

Cadbury Sixth Form College  
Downland Close,  
Kings Norton  
Birmingham  
B38 8QT

**Telephone:** 0121 458 3898

**Email:** enquiry@cadcol.ac.uk

**Website:** www.cadcol.ac.uk