

Why study A Level 3 Dimensional Design?

This course has been designed to give you the opportunity to experience working with a variety of materials. The practical problem-solving processes within the course are to encourage independent learning, creativity and innovation.

A Level 3 Dimensional Design is a creative and thought-provoking course that gives students the practical skills, theoretical knowledge and confidence to succeed in a number of design-centred careers.

Students investigate historical, social, cultural, environmental and economic influences on design, whilst enjoying opportunities to put their learning into practice by producing prototypes of their own designs.

What new skills will I learn?

You will be encouraged to take a broad view of design, combining designing and making skills with knowledge and understanding to develop your capacity to design and manufacture innovative products, to create quality outcomes and to appreciate the complex relations between design, materials, environmental sustainability, manufacture and marketing.

Career routes in

3 Dimensional Design

This is an excellent course for creative students who may wish to pursue a career in the areas of:

- product design;
- architecture;
- automotive and mechanical design;
- customisable ceramic or jewellery design;
- interior or industrial design;
- CAD / CAM;
- packaging design;
- advertising and media.

If you are planning a career in design, this excellent course will stimulate your creativity and grow your skills. You will also enjoy a high level of personal satisfaction from turning your designs into reality.

Course Outline

The subject builds on your experience of Design and Technology at Key Stage 4 and will develop your ability to work with a wide variety of materials. Over the course of Year 12 you will work on a series of tasks, building a portfolio of evidence that demonstrates your ability to design, make, communicate and evaluate a range of products. Students are taught together as a group with a good balance of prior knowledge and experience. They learn about materials and processes, and develop an appreciation of the relationship between design and technology and form and function.

In Year 13, students work through a design process to realise a single product. Students are expected to take control of their learning by using assessment criteria and the focus of each unit of work as a stimulus. They develop their communication ability using CAD, ICT and graphics and use these skills to plan a series of outcomes. Students are expected to work outside time-tabled lessons to extend their projects at home and within the department for at least four hours a week.

Homework takes the form of background reading, responding to examination-type questions and producing a folder of work. Students receive a course-related text book which is designed to help them prepare for their final examination.

Previously, students who have studied A Level 3 Dimensional Design have gone on to Higher Education and work in the fields of interior, furniture, 3D and automotive design, fashion and textiles, architecture, film special effects, advertising, teaching, computing and engineering and manufacturing.

Lead Teachers:

Mr A Horrocks and Mrs K Robertshaw

Exam Board: AQA

Sixth Form Entry Requirements:

To study **Level 3** (academic A Level) courses students must have a minimum of at least **five** GCSEs at 9 - 4 grades (or equivalent).

These must include a grade 4 and 5 in English Language and Mathematics (either way round, but higher grade must support subject choices).

Additional requirements:

GCSE grade 5 or above in Materials Technology.

Assessment:

Component 1

Personal Investigation counts for 60% of A Level. Students carry out an investigation / in-depth study that demonstrates their ability to construct and develop a sustained line of reasoning from an initial starting point to a final realization.

Component 2

Externally-set assignment counts for 40% of A Level.

- 8 design briefs set by AQA;
- Student decide upon one they want to pursue;
- 3 hours of supervisory prep time;
- Students to produce a finished outcome or series of outcomes.

Find out more ... visit our website www.bbs.calderdale.sch.uk

Here to help ... speak to the course tutor or your form tutor

Call us on 01422 328928. Email admin@bbs.calderdale.sch.uk

