Product Design (A Level)

What will the course involve?

Investigating, researching, designing, testing, problem solving and manufacturing lies at their heart of the A Level Product Design qualification.

This is a creative and thought-provoking qualification which will give you the:

- practical skills
- theoretical knowledge
- confidence

to solve real world problems through design and manufacture.

You will develop intellectual curiosity about the design and manufacture of products and systems, and their impact on daily life and the wider world.

Through continuous, focused learning activities, you will develop knowledge and understanding of:

- Materials: Classifications, Properties, Testing, Applications and Finishing.

- Manufacturing processes: working with Paper and Board, Polymers, Metals, Timber

- Scales of production

- Digital design and manufacture

- Design Styles and Movements

- Social, moral and ethical issues of designing and manufacturing

- Communicating design ideas: Sketching, Modelling, Presenting

- The Iterative design process: Designing, testing, developing, retesting…

- How to critically analyse and evaluate products

- Tools and machines – To Selecting appropriate tools, equipment and processes for manufacture

- Different manufacturing processes and techniques

- Accuracy in design and manufacture

- Responsible design

How will I be assessed?

There are two parts to the A Level Product Design course:

Part 1 – External examinations (50% of the Qualification)

You will sit two external exams.

Part 2 - Non-exam assessment (NEA) - Coursework

(50% of the Qualification)

You must undertake and complete a small-scale design and make project and produce a final prototype based on a context and design brief developed by yourself.

Non-exam assessment is scored out of 100 marks.

What skills will I develop?

Studying A Level Design Technology: Product Design will develop a wide range of transferable employability skills such as

- Communication
- Ability to work under pressure
- Problem solving
- Team working
- Resilience
- Creativity

Where can the study of Product Design lead?

Successful competition of the course can lead to careers in

- Product Design
- Interior Design
- Graphic Design
- Architecture
- Engineering
- Advertising and marketing