D&T- Product Design

THE BOURNE ACADEMY SIXTH FORM

A Level (OCR)

Design and Technology- Product Design is suitable for students who have previously studied GCSE Design and Technology or other relevant Level 2 Design or Engineering qualifications.

Entry Requirements

- **Minimum Standard:** Five or more grades at 4+ in GCSE or equivalent, including English and Maths.
- **Additional Criteria:** Minimum standard with a 5+ in Design Technology or equivalent related subject and a 5+ in Maths.

What will you learn?

The content of this A level course is focused towards consumer products and applications. You will use your creativity to solve problems, analyse and design everyday marketable products. You will explore materials, components, usability and function as part of the design process and understand commercial design practice.

How will you learn?

Throughout the course you will be engaged in a variety of design tasks and activities, which have been devised to improve your skills and meet the necessary requirements for your qualification. You will find that rather than just testing your knowledge of a subject area, your learning will see you explore topics through:

- Small group/team work
- Theoretical learning through case studies and research
- Design and practical work
- Visits/conferences/guest speakers.

How will you be assessed?

50%

Written Examinations
Two externally marked papers:
Paper 1 – Principles
Paper 2 – Problem Solving

50%

Coursework (NEA)
An individual 'design and make' project involving research, developing ideas, creating a prototype and evaluating your final solution.

Where will it take you?

This course will provide you with the opportunity to develop your creativity and design & technology capability. You will develop your ability to recognise constraints of product design, produce high quality products, develop a critical understanding of materials and processes, use digital technology to develop your design skills, and evaluate technical, aesthetic, economic, environmental, social and cultural issues. Students have gone on to study design or engineering courses at university or onto apprenticeship schemes in the engineering industry.

Who should you talk to?

Please speak to Mr Dunn or email:
mike.dunn@thebourneacademy.com