PRODUCT DESIGN
A LEVEL (OCR)

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, usabilty and function as part of the design process and understand commercial design practice.

How will you be assessed?
Your assessment will be broken down into following areas:
50% Design and Manufacture iterative design project
50 % Made up of two examinations: a problem solving exam and a design principles exam.

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.

Where will it take you?
This course will provide you with the opportunity to develop your creativity and design & technology capability. It will develop your ability to recognise constraints of product design and enable you to produce high quality products. You will develop a critical understanding of materials and processes and their use in consumer products, use digital technology to develop your design skills, build an understanding of Health and Safety and evaluate technical, aesthetic, economic, environmental, social and cultural issues. Students who have previously studied similar qualifications have moved on to study design or engineering courses at university or have been accepted onto apprenticeship schemes, gaining employment in the engineering industry.

Who should you talk to?
Please speak to Mr Dunn, Miss McCarthy or Mrs Gist, or email: mike.dunn@thebourneacademy.com

What will you need to study the course?
Five or more 9-4 grades at GCSE including English and Maths. A grade 6 or higher in GCSE D & T. A GCSE grade 5 in Maths is desirable. You will have strong creativity, be an innovative problem solver, demonstrate a flair for design and have a good understanding of the design process along with a positive and enthusiastic attitude to learning. You will need a genuine interest and excitement for the subject and a willingness to commit significant independent time and effort into developing your skills and completing your iterative design project.