



OLD BUCKENHAM
HIGH SCHOOL

Be the best we can be

OBHS KS4 Subject information

GCSE Product Design

Head of faculty: Mrs Woods



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Course Overview

Is this right for me?

Are you?

- A creative thinker
- A problem solver
- Inventive
- Able to think outside the box

What I need to know:

Product Design enables you to design and make products with creativity & originality using a range of skills & techniques. You will have access to a range of materials, from paper & card to wood, metal, plastic & textiles.

You will also become confident with making using modern technology, such as 3D printing and laser cutting as well as making things in the workshop.

You will be encouraged to be creative and follow your own interests, with designing and making with CAD/CAM, Textiles, timbers plastics or graphic design

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Examination and assessment: Examination board: AQA

Coursework (NEA) makes up 50% of your final mark. This is a project set by AQA and is completed in School at the end of Year 10 and through Year 11.

The written theory exam takes place at the end of Year 11 and makes up the remaining 50%.

Pick this course if you...

enjoyed Product Design in Years 7, 8 and 9 and want to develop your skills
enjoy problem solving and making your own designs
want to study a creative subject at A level and possibly university





What skills will I learn?

Design and Technology helps develop skills such as:

Creative thinking.

You will learn how to identify and explore problems and work out solutions.

Technical understanding

You will be able to apply your understanding of materials and processes to design and make products that work.

Communication.

You will develop your design drawing skills, and improve your written notes and presentation skills.

Evaluation and decision making.

You will look at strategies for comparing design ideas and manufacturing processes. You will learn how to use data and graphics to explain decisions.

Computer Aided Design.

You will learn how to create components and produce virtual prototypes using CAD. These may go on to be laser cut or 3D printed.

Design development

You will learn how to use research, testing and investigation strategies to turn ideas into reality and add features that the user needs.

Project planning

You will demonstrate skills in managing a range of activities, such as research, drawing, modelling and making.

Environmental awareness.

Any good design work should show an understanding of the way designers can reduce the use of unsustainable materials.

