

DESIGN & TECHNOLOGY

GCSE

INTRODUCTION

The new Design & Technology Product Design GCSE can be thought of as a coming together of Art and Design, Engineering, Science, Maths and some of the past Design & Technology Graphics and Resistant Materials subjects. It requires students to show creativity and flair in researching and developing designs for a given context.



The aim of the course is to encourage students to work in ways that are common in the product design workplace. It will enable students to develop their designing and modelling skills to produce professional looking outcomes that could be seen in a commercial environment. Innovation and creative thinking are at the forefront of this course, together with a willingness to fully explore old, new and emerging materials and technologies.

WHAT WILL I LEARN?

Design & Technology students will learn to communicate ideas, manage projects, and address social/environmental issues. Over the two year course you will develop a wide range of creative designing and manufacturing skills; technical knowledge and understanding of various different materials as well as invaluable transferable skills such as problem solving and time management. Our world is changing rapidly – your generation needs to prepare for the unknown, Students with transferable skills will be prepared for an unpredictable future and will have the ability to innovate and respond to new challenges in a creative way.

In short, if you like and enjoy problem solving through design, making models and testing your ideas then our GCSE course is the ideal option for you.

HOW WILL I BE ASSESSED?

Unit	Description	Assessment	Course Weighting
1	Design and make coursework project	Coursework	50%
2	External exam	Written Paper	50%

You will produce your own briefs, research and design ideas in answer to given contexts and are then encouraged to prototype these in 3D form using modelling skills and practical making skills. Testing and evaluating your designs throughout the process is essential.

ENTRY REQUIREMENTS

Due to the nature of some of the activities, students will need to have shown a good understanding of health and safety in the workshops during Year 9 to ensure acceptance onto the course. An aptitude for good graphic communication and good practical making skills need to be demonstrated in Year 9 as well as an aptitude for being able to think creatively and explore a range of ideas before committing to a solution.



FUTURE OPPORTUNITIES

Future pathways include industrial design, interior design, product design, architecture, engineering, modern apprenticeships in industry, and design manufacture to name but a few. This course provides an ideal progression to the A-Level Product Design course.

FURTHER INFORMATION Please speak to Mr Jenkins or your Design Technology teacher for further information.