

# Design Technology



*at RHB Sixth Form*

A Level Design Technology encourages students to *think creatively, take risks* and *develop innovative solutions* to real-world design challenges. Students develop an appreciation for *sustainability* and *ethical considerations*, through emphasis on *responsible design* practices that minimise the environmental impact. *Our Technology department is fully equipped* with all modern manufacturing machinery required to make and prototype most products. With twin head 3D printers, 40W metal tube laser and a full sized 4 axis CNC router, whether you choose to prototype fully with CAD/CAM or more traditionally in the fully equipped modern workshop you will have fantastic opportunities.

*“Studying Design and Technology at A Level in an all-girls school has been an empowering experience. It has helped me build confidence in applying creative and technical skills to solve real-world problems. Our Sixth Form provides a supportive environment that encourages independent thinking and innovation, perfect for anyone looking to challenge themselves and develop key skills for the future.”*

RHB ALUMNA

## COURSE OUTLINE

Throughout the course students will nurture their analytical and critical thinking skills through the iterative design process to evaluate designs, make informed decisions and continuously improve their prototypes.

The A Level course gives you the freedom to design and make outcomes within any context that suits you, creating a portfolio of outstanding work. The course is taught in a linear format with both examination papers taken on completion of the second year.

### Examination Paper 1 (30%) 2 hours 30 mins

- Mixture of short and extended responses
- Technical principles

### Examination Paper 2 (20%) 1 hour 30 mins

- Mixture of short and extended responses
- Product analysis
- Commercial Manufacture

### Non-Exam Assessment (50%)

- Students own design context

## ENRICHMENT

Students are encouraged to participate fully in the department. A Level students can access the department facility outside of lesson time, so long as a member of staff is present. Students are encouraged to engage in activities beyond the curriculum which might involve entering competitions, enterprise or other enrichment activities.

Alongside the course we go on several exciting trips visiting London's Design Museum, the Mini Plant Oxford and Renishaw a local engineer company. We also host a number of exciting visiting speakers.

### HEAD OF SUBJECT

Torie Gill

### EXAM BOARD

AQA Product Design 7552

## WHERE COULD THIS COURSE TAKE ME?

### Further Education

Our students go on to continue their studies at some of the top universities in the country including UAL Central St Martins, Loughborough, Nottingham Trent, Leeds, Cambridge, Oxford and University of Bath.

### Careers

Studying A Level Product Design is an opportunity to satisfy your creative appetite with academic rigour. The course provides a thought-provoking qualification giving students the theoretical knowledge, confidence and practical skill to succeed in any number of careers, including: Product Designer; CAD Design/ Engineer; Architect; Engineer – Civil/ Structural/ Architectural/Aeronautical/Robotics; Medical Design; Industrial Designer; Creative Director; Graphic Designer; Interior and special Designer; Furniture Design; TV and Film Set Designer; Fashion/Clothing Technologist; Production Management.



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