

DESIGN AND TECHNOLOGY

This course is designed for students who wish to pursue a career in the design or engineering industries

COURSE DETAILS

A Level

AQA - 7552

Design Technology GCSE is preferable but not essential

Students will learn the skills to independently design and manufacture working prototypes. They will develop the ability to analyse their own work as well as evaluating and learning from other designers and engineers.

In year 12 the students will cover technical principles and designing and making principles, this will be assessed in the form of a mock exam. Throughout the year the students will design and manufacture a working prototype based on a theme set by the department. This project will give the students an insight into the manufacturing and portfolio work required for their final assessed piece in year 13.

In year 13 the students will cover technical principles and designing and making principles, this will be assessed in the form of 2 exams worth 50% of the overall A level. The students will also be required to design and manufacture a working prototype based on a problem identified by the student, this work will be worth 50% of the overall A level.

Students who have taken A level product design have gone onto study at university a wide variety of courses leading to careers within these areas:

- 1 Mechanical engineering
- 1 Motor vehicle design
- 1 Product design
- 1 Electrical engineering
- 1 Architecture
- 1 Civil engineering

