



## **Design and Technology GCSE**

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**Awarding Body:** AQA

**Specification:** GCSE Design and Technology

**Code:** 8552

### **Introduction**

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The GCSE Design and Technology curriculum is exciting, stimulating and challenging. It is an excellent opportunity for students to apply and reinforce their learning in core subjects, such as Mathematics and Science. Design and Technology is a pathway to careers in Engineering, Industrial Design, Architecture and many other creative industries.

Due to Health and Safety regulations the Design and Technology GCSE course must be restricted to a maximum of 20 students per class. Therefore, places are limited to 40 students, in two classes of 20. In the event of oversubscription, students' prior performance in Design Technology, as determined by his teacher-assessed work, will be used to select those most suited to success in the course.

### **Course overview**

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The GCSE Design and Technology course provides students with the opportunity to develop their knowledge and understanding of the design process whilst refining and increasing practical skills. Creativity is a fundamental part of Design and Technology. Students are encouraged to use creativity and imagination to design and make products or prototypes that solve real world problems, considering their own and others' needs, wants and values.

### **GCSE Course structure**

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The new GCSE Design and Technology course will be structured as follows;

**Examination unit:** 50%: 2 hours: 100 marks: 50% of GCSE

The examination unit will assess student's technical knowledge and their understanding of design principles. This will be in relation to their understanding of modern materials and manufacturing processes as well as knowledge of the chosen area of interest.

**Non-examination unit:** 50% of GCSE: 30–35 hours (approx.): 100 marks

The non-examination unit will require students to design and make products and prototypes of high quality according to the chosen area of interest. The experience gained from managing extended project work is highly transferable.