



GCSE Design Technology



GCSE DESIGN TECHNOLOGY

Why should I study Design & Technology?

The new GCSE places greater emphasis on understanding and applying iterative design processes. Students will use their creativity and imagination to design and make prototypes that solve real and relevant problems, considering their own and others' needs, wants and values.

GCSE Design and Technology will prepare students to participate confidently and successfully in an increasingly technological world. Students will gain awareness and learn from wider influences on Design and Technology including historical, social, cultural, environmental and economic factors. Students will get the opportunity to work creatively when designing and making and apply technical and practical expertise.

What skills can I gain?

The AQA GCSE allows students to study core technical and designing and making principles, including a broad range of design processes, materials techniques and

equipment. They will also have the opportunity to study specialist technical principles in greater depth.

Skills include the ability to show the development process, such as series of photographs taken during the process of construction or manufacturing, showing advanced techniques, use of specific tools and materials, and degrees of complexity. In addition, this course will help develop such skills as application of number; communication - oral, written and graphical; information and communication technology including CAD/CAM; working with a range of graphic modelling materials and processes; problem solving and working with others. The course will also provide an understanding of moral, ethical, social and cultural issues, together with an awareness of environmental impact and health & safety considerations.

What career paths could be followed?

Students, male and female, would find this course

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interesting, challenging and rewarding. Successful completion of the course could lead to A level pathways and possibly careers in design related professions, such as Product Design, Engineering, Architecture, Environmental Development, Teaching etc.

Course Breakdown

There are two main components.

Terminal examination: 50%

Coursework: 50%



Website <http://www.aqa.org.uk/subjects/design-and-technology/gcse/design-and-technology-8552/introduction>