Design and Technology

Qualification:
GCSE

This is the course for you if...
You are creative, like solving problems and enjoy making things. GCSE Design and Technology is the ideal subject for you.

You will learn a wide range practical based skills, theory and technical understanding, all of which will give you valuable skills and knowledge for your chosen career or further education, whether that is in engineering, design, carpentry or the creative industries or similar. You will work independently and in groups, developing communication and thinking skills, valued by the business world. You will be able to use your imagination, knowledge and creativity to design and make innovative products, solving genuine problems.

We have great facilities and learning environment which provides stimuli for girls and boys, with a hands-on approach to Design and Technology.

What does the course involve?
In *Year 10* - students will produce a range of products; learn about many processes, techniques and materials including woods, metals and plastics. They will learn and improve knowledge and skills in Computer Aided Design, Computer Aided Manufacture, designing, modelling, drawing, rendering, sketching, presentation, use of a range of tools, learn about designers and work on design competition. They will also familiarise themselves with laser-cutting, CAM routing and 3D printing.

In *Year 11 - Unit 1 - Written Exam*
A mix of short answer, structured and extended writing questions assessing knowledge and understanding of Design & Technology

Unit 2 - Design and make task – Non-exam assessment: 35hrs
A sustained design and make task, based on a contextual challenge, assessing students' ability to:
▪ Identify, investigate and outline design possibilities
▪ Design and make prototypes
▪ Analyse and evaluate design decisions and wider issues in design and technology
Students will individually design and make their own unique product.

How will my work be assessed?
Unit 1: Written Exam: **50%**
Unit 2: Design & Make Task: **50%**

What course can this lead to in Post-16?
This can lead on to A Level Design & Technology, which is welcomed by universities when applying for courses such as Architecture, Design, Engineering, Fashion and many more.

For more details please contact:
MRS O EDWARDSON - DESIGN & TECHNOLOGY DEPARTMENT