**EXAMINING BOARD:** AQA

**TITLE:** Design & Technology

**ACCREDITATION:**

You can achieve a full range of grades in this GCSE subject 1 - 9.

**NATURE OF THE SUBJECT:**

In this subject, you will design, manufacture and analyse a full range of contemporary artefacts. During Year 10 you will engage in a number of Design and Make Assignments. These assignments will require you to design and make a product from start to finish. You will use a variety of materials to manufacture products such as garden tools, bird houses and coffee tables/jewellery boxes etc.

**CONTENT:**

* Research and investigative skills
* Different designers
* Drawing and modelling skills
* Designing
* Computer Aided Design and Manufacture
* Product Analysis
* Problem Solving
* Project and Time Planning
* Subject theory work that will include:- design theory, materials theory, production and manufacturing methods, social and economic factors within design and environmental considerations.
* Manufacturing
* Analysing and evaluating your own and existing products.

**NATURE OF THE WORK:**

Each design project will require you to research, design and manufacture a different product. The design of this product will be your choice. You will be required to justify your design thinking and your design proposals. You will then progress to realize your ideas as a working prototype. Staff will provide as much assistance as possible to ensure that your final product is a high quality item that you can be proud of. Health and Safety within all Design and Technology areas is crucial and you will be expected to work in a mature and safe manner at all times.

**ASSESSMENT:**

Towards the end of Year 10 you will begin a **major project** that is 60% of all available marks. This must be completed by April of your Year 11. Your project will be a design folder that is accompanied by a finished item that you have manufactured. At the end of Year 11 you will sit a two hour examination in this subject. This examination will test your knowledge of the theory work that you will have covered during the two years and it will also test your design skills. This paper carries the remaining 40% of the GCSE marks.

**POSSIBLE CAREERS:**

You could consider a career in product design, graphic design, architecture, engineering or teaching.

**WHO IS SUITABLE FOR THIS COURSE:**

This course is equally suited to girls as it is to boys. If you enjoy designing and making things then you will enjoy Resistant Materials. You will be allowed opportunities to work individually and as a team and the products that you design and make will improve the environment in which you live. Design is about communicating your ideas. Within Graphic Products this can be done not only by sketching and drawing, but also through modelling, discussion and the use of Computer Aided Design.

**FURTHER INFORMATION:**

Please see Mrs Blight.