Subject: Technical Award in Materials Technology

Department: Design Technology

Exam Board: AQA

"Design is not just what it looks like and feels like. Design is how it works." ***Steve Jobs***

Access Criteria:

Pupils need to be motivated and have an interest in the way that products are made. This course requires commitment, a willingness to learn and a positive attitude to developing practical skills and producing a detailed digital portfolio evidencing their skills, knowledge and production.

Course Assessment:

Unit 1 Skills Demonstration 30%

Unit 2 Extended Make Project 30%

Unit 3 Fundamentals of Materials Technology 40%

Units 1&2 internally assessed.

Unit 3 external exam.

Subject Topics Covered:

Selecting and preparing materials

Using hand tools

Forming bending & laminating

Casting or moulding

Jointing techniques

Using machine power tools

Production including CAD / CAM

Finishing techniques

Quality control

Collaboration

Careers that require this qualification:

As well as complementing academic subjects with a range of transferable skills, there are excellent career paths into graphic and product design, civil and mechanical engineering, and will show any prospective College/University or employer that you can solve problems.

Courses that you can follow after school if you opt for this subject:

Pupils will be able to study Technology at A and AS level for a further 2 years, spring boarding them onto Product Design type Degree or further education courses. If post 16 study is not for you, employers will value these GCSE's as it shows you have effectively used a wide range of transferable skills, developed your talent for problem solving and have had the opportunity to work successfully both as an individual

The key contact for Resistant Materials is:

Mr McCarthy

For Consideration:

Modern Society is run using increasingly more sophisticated technology. With a sound grounding in technology, you will be able to stay up to speed with the latest developments in the world of employment.