

Subject: ENGINEERING

Head of Faculty: Mrs Walters

GCSE

Exam Board:
AQA

Course Description

“Intended as an introduction to Engineering, this qualification allows students to develop skills and understanding which will be of use generally and as part of a progressive career path leading to further technical or academic engineering qualifications.”

Topics studied include ‘Designing and Communicating’ which involves both two and three-dimensional freehand sketching, formal drawing, computer aided design (CAD) and model making. Knowledge and experience of ‘Making’ will include using tools and equipment as well as experiencing various processes and machinery.

The application and impact of new technologies will also be covered for their effect on society, industry and new products

The course will be assessed by written examination as well as by controlled assessment.

Assessment

Unit 1 External Examination

A Product Study section and questions on related manufacturing and materials

June of Year 11 – 40% of final mark

Unit 2 Internal ‘controlled assessment’

Designing and communicating/manufacturing an Engineering product

From the end of Year 10 – 60% of final mark

Subject Teachers

Mr Ramsay (SLT)
Mr Whiteside

Higher Education Courses/Careers

Part of a progressive career path leading to further technical or academic Engineering qualifications.
Sixth Form:

BTec Diploma in Engineering and Electrical Electronics.
A Level Three-dimensional design
A Level Graphic design

Engineering can be studied at university.

Careers where this course may be useful are wide and include Mechanical, Electrical and Civil Engineering amongst others.

