Subject: **Mathematics A-Level**

Qualification Details

Edexcel Mathematics

Teacher Responsible

Mr Dahmani

Entry requirements

Grade 6 in GCSE Mathematics

About the Course

A Level Mathematics is designed to build upon the higher GCSE level material and develop an understanding of logical progression of thought, promoting the ability to break down specific problems into their component parts to find a solution. It is a requirement of all higher university/professional based Engineering and Construction based courses.

Details of Study

Year 1

Core 1 - Extending the understanding of the higher 7-9 subjects in GCSE

Core 2 - Looking at calculus in depth, higher order number and space and shape

Mechanics - involving kinetics and impact calculations

Year 2

Core 3 - Extending the mathematics covered in Core 2 including unreal numbers and calculations involving 'e'.

Core 4 - The culmination of the pure Mathematics side of the course involving higher order maths on all the major areas.

Statistics - The assessment and display of data in various formats leading to the ability to manipulate data to produce the required information.

How is the course assessed?

The qualification is assessed in three units by external examination;

Paper 1 is a combination of Core 1 and 2, lasting 2 hours and comprising 40% of the final mark

Paper 2 is a combination of Core 3 and 4, lasting 2 hours and comprising 40% of the final mark

Paper 3 is a combination of Mechanics and Statistics, lasting 2 hours and comprising 20% of the final mark

Future Pathways

This qualification supports progression into higher education, apprenticeships and employment in areas such as Finance and Accounting as well as Science based subjects and areas of work such as Engineering and Construction.