MATHEMATICAL STUDIES (CORE MATHS) Level 3 Certificate

Qualification Level 3 Certificate in Mathematical Studies
Exam Board AQA
Course Specific Entry Requirements Grade 4 or above in GCSE Mathematics. This one year course **must** form part of a Study Programme comprising at least three other two-year qualifications

Overview

Level 3 Certificate in Mathematical Studies (Core Maths) is a one year Level 3 Mathematics course for students who have passed GCSE Mathematics at Grade 5 or above but are not taking Advanced Level Mathematics. The aim is for you to retain, deepen and extend your mathematical understanding through solving meaningful and relevant problems, building upon your understanding at GCSE level. It is anticipated that this course will be particularly beneficial to you if you require a good level of mathematical skill for concurrent and future courses. The course sets out to use a problem solving approach to teach applied areas such as data handling (relevant to Geography, Psychology, Business and Sciences), decision maths (relevant to many business related subjects and computing) and personal finance. This course will give you confidence with numerical techniques required at degree level or in future employment. Taken alongside a Tech Level subject and Extended Project, it contributes to achievement of the Technical Baccalaureate.

What will I learn?

Approximately 75% of the course is based on elements of the new GCSE course, with emphasis on real life application. New mathematical content that you will learn includes:

- ▲ Modelling
- ▲ Financial problem solving
- ▲ Critical maths

The course is assessed through two written papers at the end of the year. Paper 1 assesses compulsory content including Financial Mathematics and Data Analysis, whilst you will make a choice over which strand of mathematics to focus on in Paper 2.

How will I learn?

Core Maths builds on GCSE Maths with sharper focus on problem solving skills by considering and tackling mathematics in meaningful contexts. These meaningful contexts will take the form of projects that may run over a series of lessons and will be driven, as much as possible, by the interests of the students themselves. The mathematical content required for examination will therefore often be taught within the context of the projects. There will be opportunities to develop your IT skills using databases and Excel.

Where could it lead?

This is a problem solving course and hence will form the bedrock of many careers and different types of employment (many of which might not yet exist!) as a supporting subject. The course will also prepare you for the mathematical demands of many degree courses, such as Geography and Psychology, for which the mathematical understanding required is high, but not as substantial as in Advanced Level Mathematics.