

# Level 3 Certificate in Mathematical Studies (Core Maths)



Examination Board: AQA

Contact Teacher: Mr Darton

## Course Details and Assessment

This is a 2yr course that leads to a Level 3 qualification equivalent to an AS level. Core Maths has been designed to maintain and develop real-life mathematical skills. What students study is not purely theoretical or abstract; it can be applied on a day-to-day basis, whether in work, study or life. It includes a financial mathematics element as well as statistics and analysis. It should support other A level subjects, in particular with science, geography, business studies, economics and psychology.

The course will cover the following key mathematical topic areas:

Level 3 Course compulsory	Optional depending on unit chosen (2A/2B/2C)
Analysis of data Maths for personal finance Estimation Critical analysis of data (including spreadsheets)	Normal distribution (2A) Probabilities and estimation (2A) Correlation and regression (2A) Critical path and risk analysis (2B) Expectation (2B) Cost benefit analysis (2B) Graphical methods (2C) Rates of change (2C) Exponential functions (2C)

The course is assessed in the following way:

Students who wish to achieve qualifications in Core Maths must complete the assessments listed below in the final year of study i.e. 2 exams at the end of year 2

Level 3 certificate		
Assessment	Outline	Grading
Paper 1 1 hour 30	Compulsory	50%
Paper 2 1 hour 30	2A: Statistical techniques OR 2B: Critical path and risk analysis OR 2C: Graphical techniques	50%

Career/Higher Education	Entry Requirements
Maths/Science related university courses as well as workplace problem solving.	Grade 4 or above at GCSE Mathematics

*“Pure mathematics is, in its way, the poetry of logical ideas.” Albert Einstein*