The Brunts Academy Sixth Form

AS level

Certificate in Mathematical Studies (Core Maths)

THE BRUNTS ACADEMY
Nil Mortalibus Ardui Est

Key Features of the Course:

The new Core Maths qualification is for students who have passed GCSE Mathematics at grade 5 or above but have decided not to study A Level Mathematics. It builds upon and strengthens existing skills and focuses on using and applying mathematics to solve problems relevant to everyday lives.

Core Maths has been designed to maintain and develop real-life maths skills. What students study is not purely theoretical or abstract; it can be applied on a day-to-day basis in work, study or life and most courses will include a financial maths element. It will also help with other A-level subjects – in particular with science, geography, business studies, psychology and economics.

The skills developed in the study of mathematics are increasingly important in the workplace and in higher education; studying Core Maths will help students keep up these essential skills. Most students who study maths after GCSE improve their career choices and increase their earning potential.

On completion students will be awarded a level 3 qualification and UCAS points equivalent to the new AS structure.

What type of student is this course suitable for?

The aim of this course is to build on the knowledge, understanding and skills established at GCSE. Students will need to achieve a level 5 or above at GCSE Mathematics. In addition to this, it could interest students who have not chosen A level maths.

What could this course lead on to?

The new 'Core Maths' qualifications are designed to better prepare students for the mathematical demands of study, employment and life. The Core Maths initiative is a major part of the government's plan to increase participation and raise standards in mathematics. The course has been developed with employers, universities and professional bodies as valuable preparation for university study and employment.

Key content and assessment

Title		Style of Assessment
AQA Core Mathematics	Compulsory content Analysis of data Maths for personal finance Estimation Critical analysis of given data and models Optional content The normal distribution Probabilities and estimation Correlation and regression Critical path and risk analysis Expectation Cost benefit analysis Graphical methods Rates of change Exponential functions	*Two written papers. *Each paper contributes 50% of the qualification lasting 1 hr 30 mins. *Paper 1 Calculator – Mathematical studies (Compulsory) *Then a choice of papers 2A (statistical techniques) 2B (critical path and risk analysis) 2C (graphical techniques)

Course Details
Awarding Body: AQA
WebsiteSpecific Number: 1350 **Website:** http://www.aqa.org.uk
Staff Contact: Mr J Hough/Miss E Clapham