



AS Level

Core Maths



Course Aims:

Core Maths is studied **alongside A-Level Psychology**. Core Maths provides a sound basis for the mathematical demands that students will face at university and within employment across a broad range of academic, professional and technical fields.

Core Maths is looked upon favourably by employers and universities and it has been endorsed by the Russell Group universities.



Course Content and Assessment:

This course is assessed in the following way:

Paper 1

- Written exam: 1 hour 30 minutes
- 60 marks
- Scientific calculator or graphics calculator allowed
- Formulae sheet available

Paper 2

- Written exam: 1 hour 30 minutes
- 60 marks
- Paper 2A (Statistical techniques) or Paper 2B (Critical path and risk analysis) or Paper 2C (Graphical techniques)

A Level Overview:

Compulsory Content

- Analysis of data
- Maths for personal finance
- Estimation
- Critical analysis of given data 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

Learning Methods:

You will use a variety of mathematical skills and knowledge to solve problems by using mathematical arguments and logic.

You will simplify real-life situations using Mathematics to show what is happening and what might happen in different circumstances. You will also have opportunity to use the

Career Opportunities:

With the level of mathematics being more advanced than GCSE Maths, employers and University Admissions will look favourably on an application that has a Level 3 Maths qualification.

While Core Maths is likely to be particularly valuable for students progressing to higher education courses with a distinct statistical or scientific element, this qualification will also be valuable for any student aiming for a career in a professional, creative or technical fields.

Entry Requirements:

This qualification is studied alongside A-Level Psychology. As a stand alone qualification a Grade 4 or above is required.

Staff Contacts

Miss Charman - Assistant Headteacher Key Stage 5

Mrs Durrant - Student Development Champion Key Stage 5

Mrs Stavrinides - KS5 Subject Teacher



Web Link Address

<https://www.basildonaupperacademy.org.uk/sixthform>

Email: Sixthform@basildonacademies.org.uk