

## Core Mathematics

Core Mathematics is a course designed for post-16 students who want to continue studying mathematics but not at AS or A-Level. The Core Mathematics qualifications will help students retain, deepen and extend their mathematics to be better prepared for higher education and employment.

These practical mathematical skills will also help students with other A-Level subjects, in particular with sciences, geography, business studies, psychology, and economics.

Core Mathematics will enable students understand and apply clear, mathematical reasoning to real-life problems, analyse and interpret data in various contexts and confidently deal with everyday financial mathematics. Financial mathematics' element includes the impact of interest rates on loans and investments as well as calculating income tax, national insurance and student loan payments.

Employers from all different sectors are also firmly behind the Core Mathematics qualifications. Many roles in today's workplace require high levels of budget management and problem-solving skills; Core Mathematics will equip students with these skills.

### **PAPER 1**

Analysis of data  
Personal finance  
Modelling and estimation

Written exam: 90 minutes **50% of Exam**

### **PAPER 2**

The normal distribution  
Confidence intervals  
Correlation and regression

Written exam: 90 minutes **50% of Exam**