



SUBJECT: Level 3 Core Mathematics

YEAR: 12 or 13

HEAD OF MATHS: Mr Hatch

GROUPING POLICY: One year course for Years 12 or 13

SPECIFICATION: <https://filestore.aqa.org.uk/resources/mathematics/specifications/AQA-1350-SP-2014.PDF>

COURSE CONTENT

CURRICULUM INTENT:

Core Maths is a relatively new type of qualification. Developed with support from employers and higher education institutions, it is designed for students who have achieved a grade 4 or above in GCSE Mathematics, but who have not chosen to study AS or A level Mathematics.

If a student chooses to study Core Maths, they will learn some new topics, but it mostly involves maths that they will be familiar with from studying GCSE Mathematics. Where it differs is in its focus on developing the skills that they will need to apply maths to real-life problems that they will meet in study, work and life.

Core Maths will help students better understand the quantitative aspects of the other A levels that they may be taking, such as Biology, Geography and Psychology. This is important for tasks such as interpreting and exploring data and graphs, using diagrams and calculations, and selecting appropriate statistical techniques.

Core Maths is useful for those who are interested in university courses or apprenticeships that involve a lot of quantitative data analysis but do not require AS/A level Mathematics, such as psychology, sports and social science, and natural science and business-related courses.

All students have the appropriate support and challenge to access the full course content. Where necessary the curriculum is adapted for specific learner needs.

What will my child learn?

The Mathematics course consists of:

Paper 1:

- 3.1 Analysis of data
- 3.2 Maths for personal finance
- 3.3 Estimation

Paper 2A:

- 3.4 Critical analysis of given data and models
- 3.5 The normal distribution
- 3.6 Probabilities and estimation
- 3.7 Correlation and regression

What will homework look like?

Homework will be most frequently related to the assessment of the current topic or a recent topic being studied. This may take the form of set learning tasks or questions from previous examination papers. Students will be encouraged to explore and evaluate different methods for revision to identify their preferred learning style.

ASSESSMENT

How will my child's work be assessed?

Students will sit written examinations. Calculators can be used on each paper.

The Level 3 Certificate qualification will be graded on a five-point scale: A, B, C, D and E.

**Examinations:**

There will be 2 written examinations, each 60 marks and 1 hour 30 minutes

ADDITIONAL INFORMATION**How can I support my child in this subject?**

It is important that your child is doing work outside the classroom and practising all the topics. If a student misses a lesson, they should make sure that they have caught up with the missed work and practise the exercises before the next lesson.

How can I support my child with exams?

Students have access to a wide range of resources both electronic and also paper versions. Examination practice is essential to succeed at Core Maths and students need to structure their revision so that they have time to practise their skills. In this subject, students need to regularly work on practice questions so any revision timetable must be well planned and adhered to. Independent study is very important but students should also be encouraged to seek help whenever necessary.