

# Teach A-level Mathematics and Further Mathematics with us

The next step for high attaining mathematicians in the sixth form, preparing them for Higher education.



# About AQA A-level Mathematics

We believe that maths is for everyone. It is diverse, engaging and essential in equipping learners with the right skills to reach their future destination. We know that A-level Mathematics is a key facilitating subject and an important step towards university and working life. Our A-levels in mathematics are designed to provide a positive learning and examination experience, while allowing all learners to demonstrate what they know, understand and can do in the subject.



# Qualification aims

Our A-level qualifications are designed to provide the basis for study in STEM subjects at university while facilitating entry to other disciplines and work. We aim to encourage students to develop confidence and a positive attitude towards mathematics. As such, our courses emphasise making connections and developing a sound approach to mathematics, while our assessments reward good understanding as well as good procedure.

Key features of the assessment include:

- Marking every attempt and rewarding all best efforts, because we know learners may need several attempts to answer a question
- Expecting a student to use a calculator whenever they can, as calculator use is assumed
- Ensuring each question is in the right place on our paper, and differentiates appropriately, using our assessment expertise and analysis of latest data
- A familiar GCSE-style layout that allows learners to focus on the question at hand
- Clear language and a clean layout that helps learners understand what is required in each question
- Our principle-centred mark schemes that allow you to easily see what each mark is awarded for
- Further mathematics offers a choice of applications to study from mechanics, statistics and discrete maths.

# How is the assessment structured?

Our A-level specifications contain two-thirds pure mathematics content and one-third application content. They are assessed in these proportions.

## AS Mathematics

Two papers, 80 marks per paper, 1 hour and 30 minutes each

Paper 1 assesses pure content and mechanics

Paper 2 assesses pure content and statistics

## A-level Mathematics

Three papers, 100 marks per paper, 2 hours each

Paper 1 assesses pure content

Paper 2 assesses pure content and mechanics

Paper 3 assesses pure content and statistics

## AS Further Mathematics

Two papers, 80 marks per paper, 1 hour and 30 minutes each

Students choose 2 applications from mechanics, statistics and discrete

Paper 1 assesses pure content

Paper 2 assesses either mechanics and statistics, or discrete and mechanics, or statistics and discrete

## A-level Further Mathematics

Three papers, 100 marks per paper, 2 hours each

Students choose 2 applications from mechanics, statistics and discrete

Paper 1 assesses pure content

Paper 2 assesses pure content

Paper 3 assesses either mechanics and statistics, or discrete and mechanics, or statistics and discrete

All papers feature a mix of question styles, from short, single-mark questions to multistep problems. The mathematical demand increases as a learner progresses through each paper.

Calculators are allowed on all papers.

# Resources to support teaching

All About Maths is our dedicated resources site for maths teachers, you'll have access to the best free resources including:

- A range of route maps outlining a variety of approaches to covering the A-level content
  - Teaching guidance including comprehensive advice on all content areas
  - Large data set teaching resources and interactive spreadsheet for student and teachers
  - Topic tests covering both qualifications and all content
  - Past papers for these and legacy A-level specifications
  - Performance analysis tools for whole class and individual reflection.
- and much more

**Find out more at [allaboutmaths.aqa.org.uk](https://allaboutmaths.aqa.org.uk)**

"We deliver both A-level Maths and A-level Further Maths through the AQA specification. In A-level Maths, we particularly like the style of the AQA papers, with unnecessary words kept to a minimum. They provide plenty of challenge to our most able students while remaining accessible to students of all abilities. The multiple-choice questions are a nice "settler" for the students. Our students find the mark schemes easy to interpret which helps them to understand what examiners are looking for.

We have a fairly small sixth form, so we have to teach further maths alongside maths. We have found this works well with the AQA course and students like the choice of applied options available to them."

Beth Duffield, Subject Leader of Mathematics, Coombe Dean School

# Why choose AQA?

Want to provide your learners with a foundation for future success? Choosing AQA means equipping yourself with the tools and support needed to help your students excel in A-level Mathematics and Further Mathematics.

As a leading independent education charity, we annually set and mark over half of the UK's GCSEs and A-levels, with income reinvested into AQA's charitable activities. Funding cutting-edge research integral to our assessments and initiatives to help learners realise their potential. Our income enhances teaching and learning through our comprehensive resources and support. We sponsor events like The Complete Mathematics Conference (Mathsconf), fostering collaboration among maths teachers. We use our experience and performance evidence to design and continuously improve our assessments, ensuring we offer the best exam experience available. We can also draw on the knowledge of our maths expert panel to advise us on our qualifications and support.

We're also here to support you, every step of the way. Like you, our priority is the learners in your care. We want to help you to ensure they are confident and well-prepared mathematicians. We do this through our assessments and a great bank of resources to help you teach – including our popular Exampro question bank.



“We chose AQA initially because we liked the structure and content of the Further Maths A-level. The specification allows students to choose two out of the three applied options. This works well for us because we can offer all three of them and can therefore cater for those who want to study some discrete maths (which is popular amongst those who plan to study computer science at university), mechanics (physicists and engineers) and statistics (almost everyone!). We also like the structure of the exams, where AQA has only three of them, and the options all happen at the same time.

The additional materials provided by AQA were also a factor in our decision. The structure of the specification (for both mathematics and further mathematics) as it's presented in the Teaching Guidance is helpful, because sample questions are included and these give an example of the level that is expected for each topic. When we set up our teaching initially, the editable scheme of work planning documents were particularly useful.”

Mark Dawes, Maths Teacher, Comberton Sixth Form

## Get in touch

Our teams are experts in assessment.  
We're also experts at giving you the  
support you need, when you need it.

Contact the team on: **0161 957 3852**

or email: **[maths@aqa.org.uk](mailto:maths@aqa.org.uk)**

Follow us on X/Twitter: **[@AQAMaths](https://twitter.com/AQAMaths)**

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