



Advanced Mathematics
Support Programme®



Support for teaching Key Stage 3–4 maths

Professional development and enrichment opportunities to support your teaching and help you to encourage more young people to continue to study maths beyond GCSE

Increase your students' confidence in GCSE Mathematics

Our professional development courses include access to high-quality online teaching and learning resources

Our **Raising Confidence in the GCSE classroom** courses equip you to increase your students' confidence in essential aspects of GCSE Mathematics.

Each one-day course focuses on an overarching theme:

Reasoning – support the development of this important skill that students often find difficult

Problem solving – connect different topics across the GCSE curriculum

Higher Mathematics – extend GCSE topics and prepare students to study advanced maths

Technology – develop your confidence and skill at using technology in the classroom

Each course provides strategies and ideas to use straightaway. You'll have opportunities to consider how the concepts and resources explored could contribute towards the ambition and intent of your department's curriculum and how you could embed them in your practice.

You could attend all four courses, or the opportunities could be spread across your department, with different teachers participating in each course and sharing their experiences.



Develop your understanding of Higher Tier topics

We offer a wide range of courses, designed to develop your GCSE Mathematics teaching.

Discover the latest opportunities at amsp.org.uk.

Our **Discover Maths for New Teachers of GCSE** courses supports your understanding of key Higher Tier topics, to help you lead your students confidently through GCSE and into post-16 maths.

Discover Quadratics and **Discover Trigonometry** both follow the development of the topic from Key Stage 3 to A level Mathematics. You'll encounter a range of ideas, reflect on teaching approaches, and consider the topic within the wider curriculum.

! Our courses are **FREE**, but places are limited and priority is given to teachers working in a state-funded schools and colleges.



Looking for a more flexible way to access professional development?

Our range of online courses is growing.

Explore the latest options at amsp.org.uk/events.

If you would prefer to spread your time commitment over a longer period, the AMSP's innovative online courses are a great alternative.

Live Online Professional Development (LOPD)

courses address similar content to our face-to-face courses but can be studied from the comfort of your home or workplace. Live online sessions run after the end of the school day or at weekends and you can access support from a tutor and engage with fellow participants through our online classroom environment.

On Demand Professional Development (ODPD)

courses are even more flexible. The materials are available online for free to teachers working in a state-funded school in England to study as and when you can.



Inspiring your students

We can also help you to engage your students with maths and inspire them to continue to study it beyond GCSE.

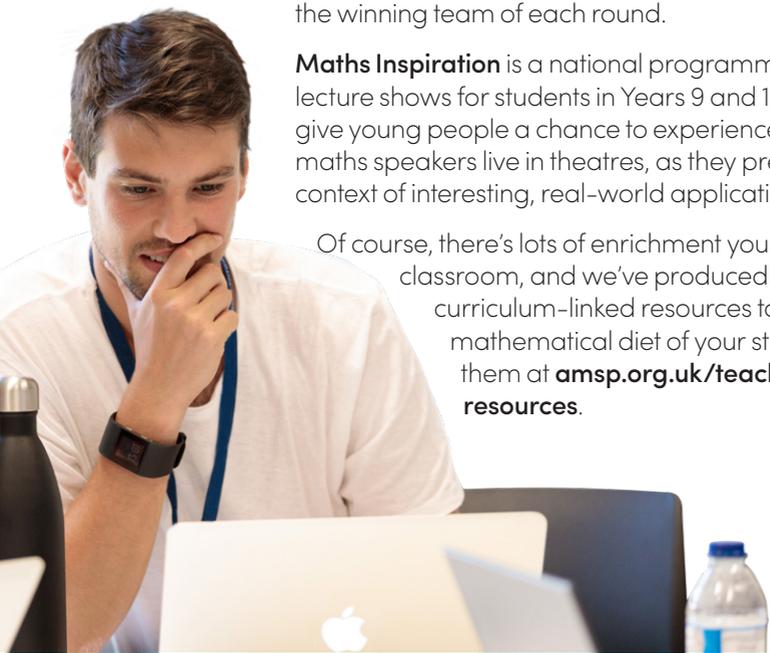
Our programme of enrichment activities includes enrichment events organised by our local Area Coordinators. Typically, these events include sessions that show the links between maths and other subjects and explain the wide range of career opportunities available to those with an advanced maths qualification. The events are often held at universities and are usually free for state-funded school and colleges.

We also offer free **Online Enrichment Events**. These interactive hour-long sessions run at various times of the week to fit in with your lesson times. Support materials are provided.

Our **Maths Feast** competition is a fun challenge that gives teams of four Year 10 students the opportunity to put their problem-solving and teamwork skills to the test. Events last two to three hours, and there are awards for good teamwork, as well as for the winning team of each round.

Maths Inspiration is a national programme of interactive maths lecture shows for students in Years 9 and 11. These exciting events give young people a chance to experience the UK's most inspiring maths speakers live in theatres, as they present maths in the context of interesting, real-world applications.

Of course, there's lots of enrichment you can do in your classroom, and we've produced a wealth of curriculum-linked resources to help you to enliven the mathematical diet of your students. You can explore them at amsp.org.uk/teachers/11-16-maths/resources.



Would you like to access local support?



- The AMSP has more than 40 Area Coordinators throughout England, each working with local schools and colleges to provide flexible professional development and enrichment opportunities. Check [amsponline.org.uk](https://www.amsponline.org.uk) for details of events in your area.
- The AMSP organises **Teacher Network Meetings** across the country. These networks focus on sharing good practice, encouraging professional growth, and promoting developments in teaching and learning. Visit [amsponline.org.uk/events/teacher-network-meetings](https://www.amsponline.org.uk/events/teacher-network-meetings) to find your nearest teacher network.
- You might also like to check out the Work Groups offered by your local Maths Hub. Visit [ncetm.org.uk/maths-hubs](https://www.ncetm.org.uk/maths-hubs) for details.



Fees and subsidies

Through government funding, the AMSP can offer its professional development courses and enrichment events for free or at low cost to support teachers working in state-funded schools in England.

For several courses, generous subsidies allow state-funded schools and colleges to reclaim the fees on completion.

Schools and colleges in eligible locations can claim additional subsidies to facilitate participation.

For full details, visit amsp.org.uk/about/subsidies.



What is the AMSP?



The **Advanced Mathematics Support Programme (AMSP)** is a government-funded initiative that aims to increase participation in Core Maths and AS/A level Mathematics and Further Mathematics, and to improve the teaching of these level 3 maths qualifications.

We offer:

- Free guidance on introducing and sustaining advanced maths options, including strategies for offering Core Maths and AS/A level Further Mathematics
- A wide range of free/low cost flexible professional development for:
 - Higher Tier GCSE Mathematics
 - Core Maths
 - AS/A level Mathematics and Further Mathematics
 - Supporting students with university maths admissions tests
- Free teaching and learning resources
- Free/low cost enrichment events and materials for students to encourage them to study maths beyond GCSE and to prepare for university maths admissions tests

Find out more by visiting amsp.org.uk.



Advanced Mathematics
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If you'd like to be kept in the loop about what we're doing, make sure you subscribe to our **Stay Informed** mailing list to receive updates on the AMSP's activities.