



Advanced Mathematics
Support Programme®



Advanced maths options

By offering a wide range of qualifications, you'll enable your students to choose a maths pathway that's right for them.

Help your students realise their full potential

There's an advanced maths option suitable for every student who achieves at least a standard pass (grade 4) at GCSE Mathematics.

Students who achieve **grade 4 or above in GCSE Mathematics** should consider taking Core Maths

Core Maths

Core Maths is an umbrella term for a specific type of level 3 maths qualification. These qualifications are equal in size to an AS level and have the same UCAS tariff.

Core Maths focuses on applying maths. It includes ideas and skills that support maths in other A levels, such as Psychology, Geography and Business Studies, and in vocational qualifications.

Core Maths develops skills that are really useful for study, work and life in general. It can also lead to reduced offers for a wide range of degree subjects.



Increase level 3 participation

Retain and attract more students as they make decisions about their education post-16.



Students who achieve **grade 5 or above in GCSE Mathematics** should consider taking AS/A level Mathematics

AS/A level Mathematics

A level Mathematics is a highly popular A level, with around 90,000 entries per year. It has the same 100% compulsory content regardless of the specification chosen.

AS Mathematics is valuable in itself; studying it introduces students to calculus and mechanics, whilst consolidating and extending algebraic, graphical and statistical skills from GCSE.

A level Mathematics is a requirement for certain degree courses and apprenticeships, and is recommended for many more.

⬆ **Improve results and broaden opportunities for students**

Studying maths beyond GCSE can help students perform better in other subjects and they may receive reduced university offers.

⬆ **Enhance your maths culture**

Encouraging the study of maths in Years 12 and 13 can boost attitudes towards maths across Years 7 to 11.

Students who achieve **grade 6 or above in GCSE Mathematics** should consider taking Further Mathematics as well as AS/A level Mathematics

AS/A level Further Mathematics

AS/A level Further Mathematics broadens and deepens the maths studied in AS/A level Mathematics, and the optional units allow for specialism.

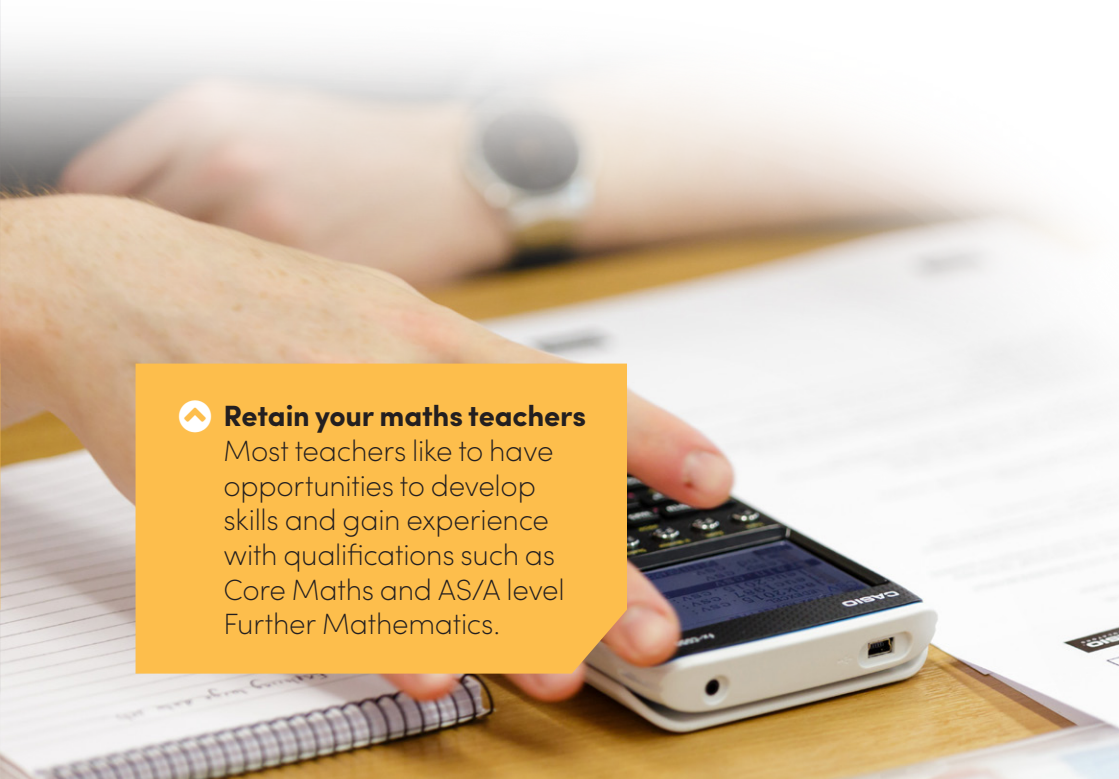
AS Further Mathematics is a valuable qualification in itself and provides excellent additional preparation for many STEM degree courses.

Studying AS/A Further Mathematics also helps students in preparing for the mathematical admission tests required by some prestigious universities.



Retain your maths teachers

Most teachers like to have opportunities to develop skills and gain experience with qualifications such as Core Maths and AS/A level Further Mathematics.



Additional funding

If you increase student participation in advanced maths qualifications, you may qualify for additional funding through the Advanced Maths Premium. It's worth £600 per year per 'additional' student for one year for AS level equivalent courses, including Core Maths, and for two years for A level and equivalent courses.

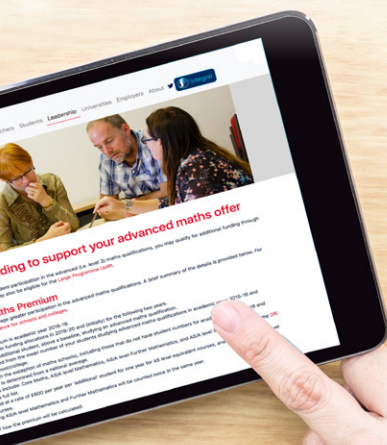
The Large Programme Uplift provides a further financial incentive if you allow your students the opportunity to take A level Further Mathematics as a fourth subject.

Find out more at amsp.org.uk/leadership/funding.

Practical support

The AMSP provides extensive support to help you introduce and sustain the full range of advanced maths options, including:

- Professional development opportunities to suit all teachers, including online courses, conferences, and sustained programmes. All are low cost or free and your school or college may be eligible for subsidies.
- Free teaching and learning resources.
- AS/A level Further Mathematics tuition for your students.
- Support to encourage uptake, including enrichment opportunities for KS4 students and free materials to inform students and their parents/carers.
- Information on offering advanced maths options and encouraging uptake, including encouraging more girls to participate.
- Tailored advice and support from our network of local Area Coordinators.





“ The Xaverian maths department strongly supports the college’s ethos of inclusivity, seeking to give opportunities for all students to fulfil their potential. To meet this vision we offer the full range of level 3 maths courses so that no matter a student’s entry qualification we have an option for them to study maths post-16.

We believe this policy improves students’ life skills, supports their study of other subjects and, perhaps most importantly, gives them an opportunity to enjoy and challenge themselves with further mathematical study. ”

Alex Jacques-Williams

Head of Mathematics at Xaverian College



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About the AMSP

The Advanced Mathematics Support Programme is funded by the Department for Education to provide national support for teachers and students in state-funded schools and colleges in England.

Visit **amsp.org.uk** to explore the full range of support on offer.