

# Using Technology to enhance Pedagogy in A Level Maths

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Maths Hub Network  
Collaborative Projects  
2025/26

## Outline

Primary focus for 2025/26:

### Developing Pedagogy in the use of Technology for Teaching A Level Maths

This project provides national support for the effective development of pedagogy in the use of technology for teaching A level Mathematics, to enhance the quality of teaching and the conceptual understanding of students, and the development of participants as leaders of A level teaching professional development in their own school or college.

It aims to develop and sustain local communities of practice involving collaboration between teachers in developing pedagogy in their teaching of A level Maths.

## Details

### What is involved?

The content of the Work Group sessions will be influenced by the needs of the participants, but we will use a variety of technology, including Desmos, graphics calculators and spreadsheets to:

- enhance student learning in specific areas of A Level Maths (for example graphs, algebra, sequences, trigonometry, calculus)
- support students' conceptual understanding of key concepts, and the links between them
- encourage students to check, interpret and verify solutions
- develop problem solving skills with technology

### What are the benefits?

Participants and their departments will:

- be better able to prepare lessons that meet the requirements of the A level (including the overarching themes and the use of technology)
- support colleagues in their own school/college in embedding themes from the Work Group
- be confident using technology to teach A level maths
- be inspired to help students become more effective learners of A level maths, through the use of technology

## The wider context

There is a range of currently available maths teacher professional development around subject knowledge and pedagogy for new teachers of A level Maths via the AMSP, but no extended professional development for experienced teachers or leaders of A level Maths teaching around the overarching themes, technology or other aspects of pedagogy of the A level Maths specification. There is a strong focus on pedagogy through the overarching themes of the linear A level Maths specification, with changes to pedagogy in teaching, assessment and expectations in the use of technology.

## Expectations of participants and their schools

Schools/colleges must be able to commit to the full academic year's programme. This involves a total of three days of face-to-face (or equivalent) support across the academic year, as well as classroom and school-based activity. Participants must also be supported by their school/college leadership to explore outcomes from the project with other colleagues in their department.

## Workshop details

Workshops will take place on the following dates:

Date	Time	Location
Thursday 11 <sup>th</sup> December	1315-1545	Online
Thursday 15 <sup>th</sup> January	1315-1545	Online
Thursday 12 <sup>th</sup> February	1315-1545	Online
Thursday 19 <sup>th</sup> March	1315-1545	Online
Thursday 30 <sup>th</sup> April	1315-1545	Online
Thursday 11 <sup>th</sup> June	1315-1545	Online

Participation is free for teachers from state-funded schools. Cover expenses will need to be funded by each school, as necessary.

Link to expression of interest form: [here](#).

For further information, contact the Work Group Lead School via: [events@exeterms.ac.uk](mailto:events@exeterms.ac.uk)

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