

Embedding Technology in Level 3 Maths

Work Group Information Sheet

NCP 19-22



Overview

The linear A level requires that the use of technology 'permeates' the study of mathematics. This Work Group, run in partnership with the Advanced Maths Support Programme (AMSP), will explore practical approaches for integrating technology in the A level Mathematics (or Further Mathematics) curriculum. Participants will explore where, when and how to use technology to enhance students' learning, understanding and experience, and will develop their own technology skills. The underlying theme of each Work Group is to develop participants as technology champions in their own departments.

Who is this for?

Teachers of A level Mathematics and Further Mathematics or Core Maths, and especially those wishing to develop the use of technology in A level teaching with others in their department.

This project is not designed to focus on developing new technology skills for beginners from scratch.

What is involved?

Through three face-to-face Work Group meeting days (or equivalent), participating teachers will develop their practice to further embed the appropriate and effective use of technology in the study of the linear A level Mathematics, and to champion the use of technology within their own mathematics department.

Intended Outcomes

Participant teachers will increase their confidence to further develop their own technology skills and further embed the appropriate and effective use of technology in their lessons. Colleagues in the participant teachers' schools will benefit from this increased confidence and knowledge through the technology champion role.

The opportunities to use technology within CPD for maths teachers at participant schools will also be enhanced through the technology champion role. As a result of these developments, students in participant schools will, through increased and improved use of technology, develop improved conceptual understanding and engagement with mathematics.

The wider context

Collectively, the network of Maths Hubs across England work on projects around key national maths education areas. In KS5/Level 3 mathematics, Maths Hubs work in close partnership with the Advanced Maths Support Programme to support schools and colleges in increasing participation, and improving teaching, in all areas of Level 3 maths.

Each Maths Hub participating in a national project runs a local Work Group, where teachers come together over a period of time to work on areas defined by the project. All Work Groups are subject to a common evaluation process, which collectively provides a body of evidence on the project's outcomes. So, your participation in this Work Group will contribute to your own professional learning, and that of your school colleagues, as well as making a contribution to the improvement of maths education at a national level.

Expectations of participants and their schools

Attend face-to-face Work Group meetings amounting to three half days. These are usually twilight sessions from 2pm to 5pm. However the times and dates are flexible and can be decided by the work group once it is established.

Take part in further in-school activity, for example, trialling teaching approaches or further departmental professional development.

Contribute to Work Group evaluation processes.

Funding

This Work Group is free to participants and run in partnership with the Advanced Maths Support Programme.

Who is leading the Work Group?

This work group will be led by Leona So (AMSP) and Sarah Boyle (Level 3 Lead at North West 3).

If you're interested, what next?

If you are interested in participating in this work group, please email sarah.boyle@calderstones.co.uk.