

Embedding Technology in Level 3 Maths

Wolverhampton

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, 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.

Participants are advised to bring their own laptop which is ready to be able to download activities – you should check with IT that the settings will enable you to download activities, if you have a laptop provided by your institution.

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

- Participate in three face to face Work Group meetings
- Partake 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?

Martin Withington

Martin has taught A level Maths and Further Maths and is an Associate for the Advanced Maths Support Programme (AMSP). He has extensive experience in using IT both in the classroom and for resource preparation. Martin also supports the professional development of teachers as a popular workshop lead at conferences.

Dates and location

All workshops will run from 9.30am to 3.00pm.

Tuesday 11th February, 2020.

Tuesday 31st March, 2020.

Monday 29th June, 2020

Wolverhampton University - Science Park, Marston Room

Please bring your own laptop ready to be able to download activities.

If you're interested, what next?

Complete the online booking form [here](#) or from <http://shawmathshub.co.uk/work-groups/>