

Embedding A level Technology

Information Sheet

NCP18-18



Overview

The new 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, 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, including those who participated in the same Work Group in 2017-2018.

It is not designed to focus on developing new technology skills for beginners.

What is involved?

- 4 x half day workshops over Spring and Summer term.
- Completion of Work Group tasks and evaluation.

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 mathematics teacher CPD 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 national maths education priority areas. One of those priorities requires Maths Hubs to 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.** This Work Group extends work started in the 2017-2018 national project of the same name.

Expectations of participants and their schools

- Attend face to face Work Group meetings as set out below.
- Partake in further in-school activity, for example, trialling teaching approaches, lesson Study or further departmental professional development.
- Contribute to Work Group evaluation processes.

Costs

FREE !!

There is no charge for teachers and schools to take part in the Work Group. All costs are met by Maths Hub funds.

Who / What / Where

Work Group Leader: Pippa Baker

Where: St Peters School Gloucester, GL4 0DD

When: 22/1/19, 13/3/19, 25/4/19, 26/6/19

Times: 14:00-16:30

If you're interested, what next?

Book a place via the GLOW Maths website www.glowmathshub.com/work-groups