

Developing A Level Pedagogy Work Group

Maths Hubs Network
Collaborative Projects 2020/21
NCP 20-21



Outline

This project provides national support for the effective development of pedagogy in the teaching of A level Mathematics to enhance the quality of teaching and the conceptual understanding of students. Its aim is to develop and sustain regional communities of practice involving collaboration between teachers. The focus is on developing pedagogy in A level Maths teaching, and developing participants as leaders of A level teaching professional development in their own school or college.

This project involves a direct working partnership between the Maths Hubs Network and the Advanced Mathematics Support Programme (AMSP).

How to apply?

Book at:

<https://cmh20alevelpedagogy.eventbrite.co.uk>

Email:

admin@cambridgemathshub.org

Details

What is involved?

The working group will be run remotely via Zoom and will run across 6 twilight sessions from 4.00 – 5.30. Participants are expected to attend each session and to take part in GAP tasks between each session, the nature of which will be determined in each session.

Who can apply?

The project is aimed at schools/colleges/departments that want to develop one or more aspects of their A level pedagogy including use of technology. It would be suitable for existing leaders of A level teaching or experienced teachers of A level Maths who wish to lead the development of pedagogy in A level teaching with other colleagues in their own or other schools/colleges. Teachers who will find this Work Group particularly useful include those who have already completed other A level subject knowledge and pedagogy courses (or similar) and are able to work with other colleagues in their own or other schools/colleges.

What is the cost?

The Developing A Level Pedagogy project is **fully funded** by the Maths Hubs Programme and the AMSP so is **free** to participating schools/colleges.

Benefits

Participants and their departments will:

- ✓ deepen understanding of the content and requirements of the linear A level Maths
- ✓ understand the purpose of the over-arching themes and their impact on teaching and learning, including use of technology
- ✓ be confident to teach aspects of the content (particularly areas of historic student weakness)
- ✓ plan sequences of lessons which meet the requirements of the A level, including addressing the overarching themes and use of technology
- ✓ Support colleagues in their own school/college in embedding themes from the Work Group.

Covid Recovery

The risk of cross contamination between schools is too high for us to consider face-to-face Work Groups. Therefore, all Work Groups will take place online this year.

ADDITIONAL INFORMATION

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 new A level Maths specification.

This project offers a strong focus on pedagogy through the overarching themes of the linear A level Maths specification, with changes to pedagogy in statistics 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.

Who is leading the Work Group?

Charlotte Reidy

I am an experienced teacher of mathematics and have worked in several schools across Cambridgeshire. I have an MEd in mathematics education and have intensely pursued my own professional development in the last few years regarding the linear A level. I have participated in and led several workgroups/maths hub initiatives across a range of focus areas.

Dave Banham

I have been teaching in Cambridgeshire and Essex for 27 years and have been Head of Department in 3 schools. Currently I am working as an assistant head at Chesterton Community College, overseeing the maths department. I am a qualified AST, SLE and PD lead for the NCETM.

If you are interested, what next?

Dates:

Venue: Online

Tue 8th December 16:00-17:30
Tue 19th January 16:00-17:30
Tue 9th March 16:00-17:30
Tue 13th April 16:00-17:30
Tue 18th May 16:00-17:30
Tue 29th June 16:00-17.30

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