

Developing Core Maths Pedagogy Work Groups

Maths Hubs Network
Collaborative Projects 2020/21
NCP20-20



OUTLINE

These Work Groups give teachers opportunities – through collaboration and experimentation – to develop improved teaching approaches that support the open-ended problem-solving skills Core Maths students need, and share these with departmental colleagues. Participant departments will support the role of Core Maths in promoting contextualised problem-solving and links to teaching in other subject areas.

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

HOW TO APPLY

Email: admin@symathshub.org.uk

DETAILS

What is involved?

Most Work Groups in the project will have three days (or equivalent) of direct meeting time. However, this may be adapted to suit the needs of the group, and could be three full day face-to-face sessions, six part-day/twilight sessions, or a blended mix of face-to-face and online meetings. Lead participants will be expected, where appropriate, to work with colleagues in their own department.

Work Groups will be designed to meet the specific needs of the range of experience of participants.

Who can apply?

This project is aimed at recent or – in exceptional cases – potential teachers of Core Maths. These may be teachers in post-16 settings whose main subject is maths or whose main subject is not maths.

What is the cost?

The Developing Core Maths 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:

- ✓ understand the philosophy of Core Maths, with its approach to maths through contextualised problem-solving
- ✓ explore a range of common Core Maths approaches and topics (e.g. Fermi problems, critical analysis of numbers in the media) and their use of pre-release materials
- ✓ identify and make effective use of existing Core Maths resources
- ✓ support senior leadership in understanding the benefits of Core Maths
- ✓ understand the role of Core Maths in promoting problem solving within GCSE Maths

Covid Recovery

The school year 2020/21 will be substantially affected by the impact of the coronavirus outbreak. The knock-on effects on school life and teachers' working lives can't be predicted with any certainty. So, all Maths Hubs work will be flexible and adapt to changing realities. There's likely to be more live online collaboration, often including use of video, for example. In addition, Work Group content will be adjusted to address schools' recovery from coronavirus-related disruption alongside work on the central maths subject matter of each project.

