# Primary focus for 2021/22: Core Maths pedagogy to support Covid recovery

# 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 to develop, and to 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.

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

**Developing Core Maths Pedagogy**

# Outline

# Details

**What is involved?**

Work Groups will be either online or a blended mix of face-to-face and online meetings with three days (or equivalent) of direct Work Group workshop time.

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

**Who can take part?**

# Lead participants in these Work Groups will be experienced and developing teachers of Core Maths. These may be teachers in post-16 settings whose main subject is maths or whose main subject is not maths. This Work Group is for schools and colleges in at least their second year of teaching Core Maths. Lead participants will be expected, where appropriate, to work with colleagues in their own department.

**What are the benefits?**

Participants and their departments will:

* disseminate information or lead professional development on Core Maths pedagogy with their departments
* support the role of Core Maths in promoting contextualised problem-solving within GCSE Maths
* share approaches to the planning and delivery of the Core Maths curriculum
* apply related pedagogical approaches in their Core Maths teaching to support Covid recovery
* understand the philosophy of Core Maths
* develop their understanding by exploring 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.

**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.

**NCP21-22**

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| Details of what a Work Group is  A Work Group is a network in which one or two lead participant teachers represent a school or maths department at termly or half-termly meetings. Between meetings, participants keep in touch, compare notes and complete gap tasks linked to teachers’ professional learning, teachers’ practice development, improving student development or improving the maths teaching across a department.  Work Group locations/dates  Dates are to be decided by Work Group participants following an initial meeting in November 2021.  Work Group meetings are held online.  Work Group Lead information  Martin Bamber of the AMSP has three years of experience as a Developing Core Maths Pedagogy Work Group Lead. |

# About the Hub

# 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.

# Expectations of participants and their schools

# These Work Groups uniquely offer lead participants the opportunity for sustained Core Maths professional development through collaboration over time. This project will contribute to the wider national effort to support teachers and leaders increase the growth in uptake and delivery of Core Maths in schools and colleges and to embed a culture of Core Maths within school and college maths departments with confidence.

# The wider context