

DEVELOPING CORE MATHS PEDAGOGY

A project to develop improved teaching approaches in Core Maths

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).

Who can take part?

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 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.

Booking link:

<https://www.eventbrite.co.uk/e/ncp-20-20-developing-core-maths-pedagogy-tickets-123058921547>

SECONDARY POST-16

Availability

Most Maths Hubs – check with your local hub and those in neighbouring areas

Can I take part?

Yes - contact your local hub

Project Code

NCP 20-20

Location:

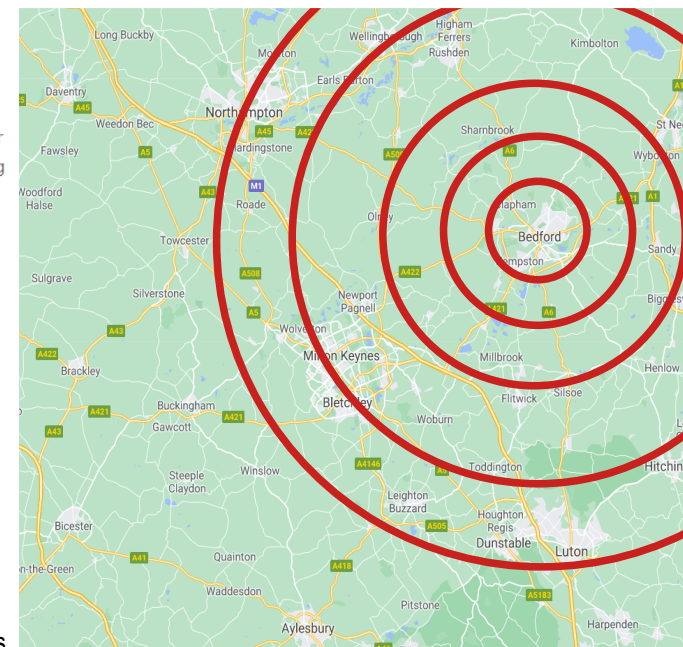
Online (as Covid-19 requires)

Physical location, Bedford; details to be confirmed as and when Covid-19 restrictions have been reduced.

Timing:

Weds 9 December, 3:30-5pm

Wednesday twilight / afternoon sessions thereafter (dates/timing of total of 10.5 further hours CPD to be co-determined with participants).



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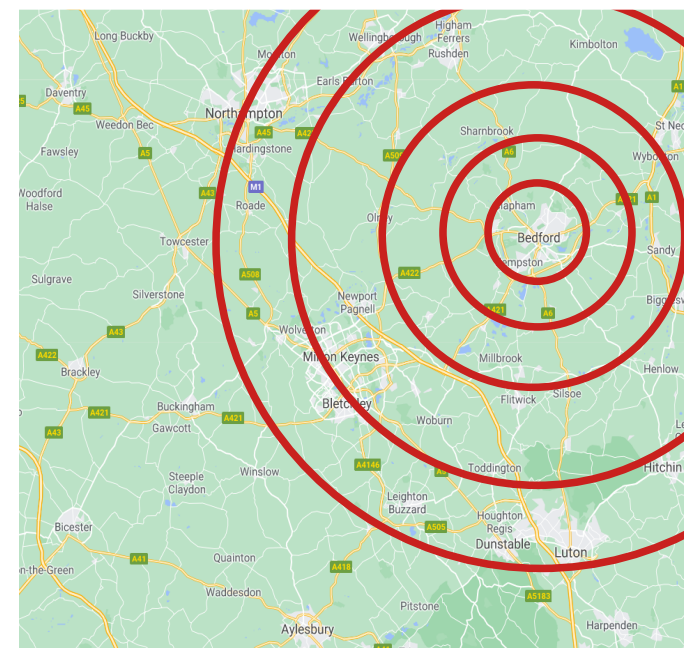
What will you learn?

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

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.



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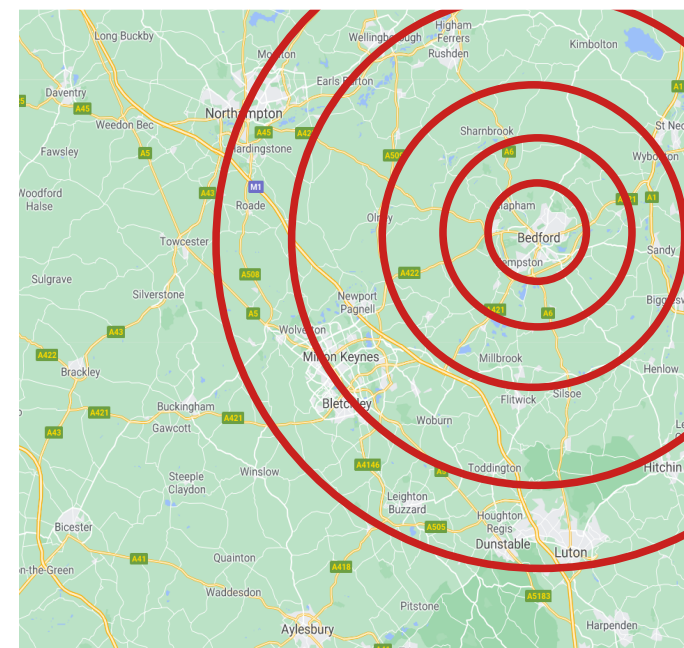
Liz Price, Work Group Lead
NCP20-20: Developing Core Maths Pedagogy

“I have been teaching in a wide variety of educational establishments for 28 years that includes students from infants to 3rd year undergraduates in mathematics.

I established the Further Maths Network (now known as the Advanced Mathematics Support Programme) at the University of Wolverhampton and have been involved with that organisation in its various roles since 1999, either as the Area Coordinator or as the Assistant Area Coordinator, working with many schools in Wolverhampton, Walsall, Sandwell and Dudley.

I am now part of the Live On-Line Professional Development team as a developer and presenter while I continue to teach Further Mathematics A Level at a local school.”

Liz has local links and delivered the 2019-20 Supporting Core Maths work group from Denbigh School, Milton Keynes.



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