

Maths Hubs Network Collaborative Projects 2020/21 – NCP20-20

Supporting Core Maths

For all current and potential teachers of Core Maths



Our Work Groups this year will address student and schools' recovery due to coronavirus-related disruption in addition to the main Work Group objectives. It is recognised that Work Groups may need to be adapted and offer some flexibility in order for schools and participants to complete the work required. Sessions for this Work Group will initially be held online, with hopefully a face to face meeting in the summer term.

A Work Group to develop improved teaching approaches in Core Maths

This Work Group will give teachers opportunities – through collaboration and experimentation – to develop improved teaching approaches that support the cross-curricular, open-ended problem-solving skills Core Maths students need, and share these with departmental colleagues and across departments within their schools and colleges. This project involves a direct working partnership between the Maths Hubs Network and the Advanced Mathematics Support Programme (AMSP).

What is the cost?

The Work Group is **fully funded** by the Maths Hubs Programme and the AMSP so is **free** to participating schools/colleges.

What is the focus?

Due to popular demand, the focus of this Work Group will be on cross curricular links. All participants will receive access to resources focusing on the maths content in subjects like Chemistry, Biology, Economics, Psychology (and more) where the mathematical content is high. Participants will be invited to focus their thoughts on one subject and work within their school or college with colleagues from other departments. This is designed to raise the profile of Core Maths across the staff, as well as underlining to students why Core Maths is such a valuable qualification.

What does it involve?

The three sessions will initially be held online to support the current position in schools. The group will be designed to meet the specific needs of the range of experience of participants. There will be gap tasks and a commitment to sharing good practice and developing your skills. Participants will work collaboratively with colleagues from other schools and will be expected, where appropriate, to work with colleagues in their own department.

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

Expectations of Participants and their Schools - Schools must be able to commit to the full academic year's programme, with senior leadership releasing the same nominated teacher(s) for a total of three workshops across the academic year, as well as classroom and school-based activity. The department will also support the participating teachers to summarise the impact of Work Group participation as part of the professional development and Work Group

Session Dates: to be confirmed shortly

Session 1: Tuesday 2nd February - 2.30pm - 4pm

Session 2: Tuesday 30 March - 2.30pm - 4pm

Session 3: Tuesday 18th May - 2.30 - 4pm

To book your place on this work group please click [HERE](#)

For further information please e-mail booleanmathshub@clf.cabot.ac.uk