

Post 16 Work Group Opportunities

Origin Maths Hubs works in partnership with local schools, colleges, Universities, CPD providers, maths experts and employers to drive improvement in maths education. This is facilitated through funded professional development opportunities, national projects, Work Groups and collaborative projects.

Developing Core Maths Pedagogy Work Group

This project will contribute to the wider national effort to support teachers and leaders to 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.

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

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.

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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Covid Recovery –The school year 2020/21 will be substantially affected by the impact of the Coronavirus outbreak and the knock-on effects to schools cannot be predicted with any certainty. As a result, Maths Hubs work will be flexible and will adapt to changing realities. It is likely that there will be more live online collaboration, for example by including use of video and online Work Group sessions. Work Group professional development sessions will include looking at the new DfE Mathematics National Curriculum guidance and looking at NCETM Covid recovery materials and approaches.

Supporting Post-16 GCSE Resit Work Group

This Work Group will bring together participants to share what is working well in this area and look at other approaches which might be useful for engaging GCSE Resit students.

Through collaboration and experimentation, you will deepen your knowledge and understanding of the GCSE Maths curriculum and awareness of pedagogical approaches that best support students taking GCSE Maths for the second time.

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Developing A Level Pedagogy Work Group

This Work Group provides support for the effective development of pedagogy in the teaching of A level mathematics.

Participants will work collaboratively to explore strategies to improve the conceptual understanding of students.

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

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