

SECONDARY MATHS

Are you looking to meet the challenges of teaching the new GCSE? Is your school keen to develop a mastery approach? Perhaps you're interested in working with primary colleagues? Or maybe you're a TA looking to improve your subject knowledge?

Whatever your role or experience, we have a Work Group for you. Work Groups entail ongoing collaboration between teachers; each is led by an expert in maths professional development. They are free to join, with funding sometimes available to subsidise staff cover.

 **MathsHUBS**
PROJECTS 2018-19

WHICH FREE PROFESSIONAL DEVELOPMENT WORK GROUP WILL YOU JOIN THIS YEAR?

HOW TO TAKE PART:

Simply visit www.mathshubs.org.uk and contact your local Maths Hub to find out which projects you can get involved in during 2018-19.

LOCALLY BASED WORK GROUPS OFFERED BY MATHS HUBS, AS PART OF A NATIONAL PROJECT:

Teaching for mastery: What does effective mastery of maths look like for your students? Joining this Work Group will support you and your department to develop a teaching for mastery approach in your school, through collaborative professional development and bespoke support from a Mastery Specialist.

Challenging topics at GCSE: Through analysis of what makes a topic 'challenging', and how to be effective in teaching that particular topic, you will develop an approach that you can use across mathematical areas and key stages. Your students will develop a deeper, more connected understanding, gaining the confidence to tackle a range of challenging questions.

Mathematical thinking for GCSE: This Work Group addresses the reasoning and problem-solving challenges of the mathematics curriculum and its assessment in the new GCSE. Professional development activities will focus on practical and accessible classroom-based approaches.

Subject Knowledge Enhancement for Teaching Assistants

Acknowledging that TAs need secure subject knowledge for best impact on student learning, this Work Group focuses on building confidence in maths curriculum content and pedagogy, specifically for TAs in secondary.

Y5-Y8 Continuity

Primary and secondary teachers collaborate to share representations and methods that become familiar to students and can be used across the transition.

Improving SEND Provision

Mainstream and special schools work together exploring ways to improve SEND provision in maths through use of manipulatives, reasoning, and topics applicable to all students.

POST-16 MATHS

Are you looking to improve how you teach the new A level? Or wanting to expand the use of technology in lessons? Perhaps you're new to teaching Core Maths? Or seeking innovative ways to help your resit class?

Whatever your role or experience, we have a Work Group for you. Work Groups entail ongoing collaboration between teachers; each is led by an expert in maths professional development. They are free to join, with funding sometimes available to subsidise staff cover.

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LOCALLY BASED WORK GROUPS OFFERED BY MATHS HUBS, AS PART OF A NATIONAL PROJECT:

Supporting post-16 GCSE resit: Collaborating with other teachers of resit groups from FE, schools and colleges, you will develop effective ways to approach the new GCSE for resit students, with a specific focus on issues particularly affecting this sector such as: student confidence and motivation, condensed timeframe, and large student numbers.

WORK GROUPS OFFERED BY MATHS HUBS WORKING WITH THE ADVANCED MATHS SUPPORT PROGRAMME (AMSP)

Developing A Level teaching: The demands of the new A Level are explored in this Work Group, as you develop knowledge of the new content and requirements of the specification and understand the purpose of the overarching themes.

Supporting Core Maths: If you teach in a school or college either new to Core Maths or looking to expand existing provision, you can join this Work Group exploring the philosophy and practicalities of this qualification, as well as best use of existing classroom resources.

Embedding A Level technology: The new A Level requires that the use of technology 'permeates' study of maths and statistics modules. This Work Group explores practical approaches for integrating technology in the curriculum to enhance mathematical understanding.