

Secondary and Post-16 Newsletter

May 2021

Welcome to this month's Secondary and Post-16 newsletter. All of our planned Work Groups due to begin in autumn 2021 have now been announced. Whether you are looking to develop or enhance your school's mathematics provision, want to be part of a network of professionals developing mathematics or you're looking to develop your teaching and leadership skills, there are many DFE funded work groups to choose from. Remember All Work Groups are **FREE TO ACCESS!** and sign up has opened so please visit our website to reserve your place now!

If you would like to arrange an advisory meeting/call to discuss which Work Group best suits your current needs, then do not hesitate to get in touch.

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Secondary and Post 16 Work Groups 2021-22

We recently have announced our Work Groups for 2021/22. See below the list of Work Groups we plan to run over the next academic year.

Remember that all of our Work Groups are **FREE** to join and some programmes will even mean your school benefiting from government funding. Click on the titles to find out more!

Secondary Tfm Development Work Groups

This Work Group forms part of an overall Teaching for Mastery Programme designed to develop secondary mathematics departments that are well-led, high-performing and provide high quality professional development through collaborative working. Two teachers from each of the Work Group schools will become 'Mastery Advocates' within their own departments. They will work closely with a Secondary Mastery Specialist to understand the principles and practices associated with teaching for mastery and will be encouraged and supported to work with teachers within their own departments to develop and refine these principles and practices.

Secondary TfM Embedding and Sustaining Work Groups

Secondary Teaching for Mastery Embedding and Sustaining Work Groups are for all departments that have **previously participated in Teaching for Mastery Development** Work Groups. The focus will be on working on your planned developments as well as sharing and critiquing opportunities with a group of schools in a professional learning community.

Secondary Subject Leadership Work Groups

To support to secondary heads of department/subject leaders, to enable a better understand and implementation of teaching for mastery approaches across their department, and to develop in their role as leaders of both pupil learning and teacher professional development.

Mathematical Thinking for GCSE Work Groups

The focus of this Work Group is to support teachers in developing their understanding of mathematical thinking as it relates to problem-solving and reasoning, using practical task types to explore what it means for pupils to get better at mathematical thinking and what this looks like in the classroom. It is designed to support teachers of KS4 maths who wish to further develop their pedagogical and theoretical understanding of what it means to develop mathematical thinking, and practical classroom strategies to explore these ideas.

Years 7-11 Coherence Work Groups

This Work Group focuses on teachers working together to analyse, deconstruct and trace through the curriculum a selected key topic area, developing insight into effective teaching approaches, and considering the implications for longer term curriculum design.

Years 5-8 Continuity Work Groups

To strengthen the transition from primary to secondary school by focussing on curriculum and pedagogical continuity over Years 5 to 8. Central to the Work Group is the promotion of cross phase communication between teachers to address issues of maths knowledge and learning transition as distinct from pastoral considerations.

Supporting Post-16 GCSE Resit Work Groups

Post-16 GCSE resit pedagogy to support Covid recovery Work Groups will explore effective ways of teaching key content to GCSE resit students, and effective ways of working with teachers of post-16 resit GCSE in the context

New to teaching Core Maths Programmes

The purpose of this Work Group is to support teachers, who are new to teaching Core Maths, in developing specialist knowledge for teaching Core Maths and to increase their confidence in teaching the course. The focus on Core Maths subject knowledge and pedagogy will be based on these six key themes which are common to all the Core Maths specifications:

- ☐ Using contextualised problem-solving
- ☐ Applying Fermi estimation and modelling
- ☐ Developing critical analysis
- ☐ Making sense of finance
- ☐ Using the pre-release materials

- Exploring statistics.

Technology and online teaching will be underlying themes throughout the programme.

Secondary Early Career Teachers - Specialist Knowledge for the Teaching of Mathematics Communities

This Work Group is designed to support Early Career Teachers (teachers in their first two years of teaching). The aim of this community is to work deeply on one area of maths, drawing in the associated pedagogy, and will include lesson analysis and lesson design

Secondary Non-specialist Teachers - Specialist Knowledge for the Teaching of Mathematics Communities

To support non-specialist teachers in developing specialist knowledge for teaching maths, thus enabling them to understand, teach and support pupils in the maths classroom. It is aligned to the NCETM teaching for mastery pedagogy and is based on six key themes:

Structure of the number system, Operating on number, Multiplicative reasoning, Sequences and graphs, Statistics and probability, Geometry.

ALERT! PROFESSIONAL DEVELOPMENT OPPORTUNITY!

Apply Now! – Secondary Specialist

Want to become a specialist in teaching for mastery and support your own and other schools to develop teaching for mastery approaches? Join the Secondary Mastery Specialist Programme. During the programme you will receive fully funded professional development from experts, have time to develop your own expertise, and then to support others.

What is involved?

Year One: you participate in several professional development events and focus on developing your own classroom teaching

Year Two: your focus is on developing teaching for mastery approaches within your own department and honing your skills in leading professional development

Year Three and beyond: you support key teachers in other local schools to develop a teaching for mastery approach within their own departments.

All the time, you keep in touch with other specialists across the country in online groups. You can share experiences and continue developmental conversations.

The Secondary Mastery Specialist Programme is **fully funded** by the Maths Hubs Programme so is **free** to participating schools.

[Click Here to apply!](#)

ALERT! PROFESSIONAL DEVELOPMENT OPPORTUNITY!

Apply Now! – PD Lead Programme

The Professional Development Lead Programme is the NCETM Professional Development Lead Accreditation and is designed for those who lead professional development for teachers of maths.

This programme is for teachers of maths (all phases from Early Years to post-16) who have existing commitments and responsibility for designing, leading and evaluating maths teacher professional development, and the potential to develop further. [Read more here.](#)

The PD Lead Development and Accreditation Programme is **fully funded** by the Maths Hubs Programme so is **free** to participants and their schools.

[Click Here to apply!](#)

Contacts

If you are interested in finding out more about your school's options please do get in touch.

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