

Newsletter February 2020

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Teaching for Mastery

Our **teaching for mastery** work groups are in full swing and we have had excellent feedback from many schools. We offer ongoing professional development for schools that want to take time to embed change that lasts and are excited to be opening the application window for schools to join us in 2020/2021. Imogen Furlong, NW1 Maths Hub Primary Lead said, "We strongly encourage your school to engage with the high quality, research-driven work that the maths hubs offer. This is a bespoke and fully funded opportunity to engage in high level professional development that involves engagement across the whole school community."

Mastering maths means pupils acquiring a deep, long-term, secure and adaptable understanding of the subject. The phrase 'teaching for mastery' describes the elements of classroom practice and school organisation that combine to give pupils the best chances of mastering maths. Achieving mastery means acquiring a solid enough understanding of the maths that's been taught to enable pupils to move on to more advanced material.

Alison Heathcock, NW1 Maths Hub Secondary Lead, states, "The mastery approach equips students with enhanced problem solving skills needed to tackle the new GCSE papers."

If you are interested in participating in either the primary or secondary teaching for mastery programme, please email us.

Primary Update



Our **diagnostics: assessing children's difficulties with mathematics** programme has been very popular with primary maths teachers and SENCOs. Louise Wilde from Mayfield Primary who attended in January said, "This training was really useful. Precision diagnostics will help us unpick children's misconceptions as well as understand the next steps to address those issues." Limited places are still available on our Middleton programme at Hopwood Hall College on 18th March and 22nd June.

Welcome



Best wishes, although rather belatedly, for the new year.

Well what a start it's been with our first local leaders in maths education event in January at Didsbury High School. I would like to thank David Woolley, Head teacher, and his colleagues for hosting this successful event at their wonderful new school.

I can confirm that the annual visit of the Shanghai teachers in March has had to be postponed due to the coronavirus outbreak. However, Nevill Road Junior School in Bramhall and The Derby High School in Bury will still be holding showcase events for colleagues to find out more about how teaching for mastery is practised and embraced by teachers in Shanghai schools. Thank you to Nicola Jordan and Mike Malone for their hard work and involvement in this project. This is a wonderful and insightful opportunity not to be missed. Please contact NW1 administration team for details of how to book.

We look forward to welcoming Ban Har Yeap at the end of March to the Alliance for Learning teaching school. He provides excellent training and CPD opportunities on Singapore teaching techniques, which have transformed my own practice.

Finally, NW1 holds regular network meetings for all maths colleagues in Stockport, Bury, Rochdale and Oldham. For further information, please contact the NW1 Administration team or myself.

Simon Mazumder, NW1 Maths Hub Lead

Shanghai showcase events

11th & 12th March 2020

Nevill Road Junior School, Bramhall

5th & 11th March 2020

The Derby High School, Bury

Secondary Update

Our secondary Work Groups have continued to provide high quality and ongoing CPD to maths teachers throughout January. **Challenging topics at GCSE, GCSE resit, mathematical thinking**, and **year 5-8 continuity** have all proven to be popular. The **KS3/4 problem solving** group is also going from strength to strength, with Mike Ollerton leading this very popular learning community. If you would like to receive details of these programmes for 2020/21 please email us to register your interest.



Action classroom research

NW1 Maths Hub are excited to be supporting a new action classroom research group starting in the spring term which will investigate and develop research skills across our mathematics community.

Working with our Maths Hub leaders, Siân Morgan and David Swanson from the University of Manchester, are both very experienced in teaching, research and professional development and will be looking at ways of developing existing classroom research towards more systematic approaches. For example, incorporating accessible research into lesson study planning; deepening data collection and analysis techniques; and working towards collaborative writing-up of experiences to share with the wider community.

Siân and David say, "We are thrilled to be facilitating this programme and look forward to working with colleagues and sharing our findings."

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Post 16 Update

As part of our *Developing working partnerships with Initial Teacher Training* programme, we were delighted to welcome 40 student teachers from Manchester Metropolitan University in January for a mathematics lesson study, observing a Year 7 geometry class. Jo Kennedy, mathematics education lecturer from Manchester Metropolitan University said, "These lesson study observations provide students with a valuable insight into the teaching for mastery approach and equip our students with the confidence and support to progress in their teaching journey."



Teachers of core maths are still welcome to join the NW1 **core maths** work group. The group provides an excellent opportunity to collaborate with colleagues on a focus of your choice. The next meeting will take place in the Renold Building, University of Manchester in late March/early April. Please contact Andrew Birch on andrew.birch@amsp.org.uk for more information.

Get tweeting!



*Are you a Work Group lead or Specialist?
Are you attending one of our training
programmes? We'd love you to tweet
@MathsHubNW1 and spread the word!*

North West 1 Maths Hub

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