

Newsletter – November 2020

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Hello and welcome to the first NW1 Maths Hub newsletter for 2020/21

In these difficult times, we would like to share with you in this newsletter how NW1 Maths Hub are striving to meet the mathematics education needs of our communities.

We have a comprehensive and exciting range of fully funded maths CPD available for 2020/21 across all phases and are adapting these programmes to the current situation. Obviously, most activity will be online until face to face delivery is safe and practical. For the majority of our CPD, especially secondary and post 16, we are able to offer flexibility in terms of dates and times of sessions, providing recordings of meetings and organising catch up tutorials with the Work Group lead.

I hope you enjoy finding out more about how we can support you and your school, and we look forward to working with you this year.



Simon
Mazumder

NW1 Maths
Hub Lead

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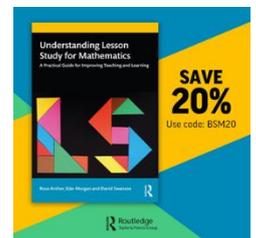
New Action Classroom Research Group starting January 2021

We are excited to be supporting a new action classroom research group which will investigate and develop research skills across our mathematics community.

Led by Siân Morgan and David Swanson from the University of Manchester, both very experienced in teaching, teacher training, research and professional development, the group will look 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.

Some of the ideas developed during the production of their recent book will be shared; Archer, R., Morgan, S., & Swanson, D. (2020), *Understanding Lesson Study for Mathematics: A Practical Guide for Improving Teaching and Learning*. Routledge. [Further info here](#)

We are looking to recruit a small group of action researchers based in the NW1 LLME community, specifically Teaching for Mastery Specialists and Work Group Leads. The first meeting will take place on Tuesday 12th January 2021. Please send expressions of interest to adminnw1mathshub@aggs.bfet.uk



New to Basecamp? Watch our instruction video to find out more

Those of you who participated in our programmes last year will be familiar with Basecamp, a project communication tool for sharing information. This year all our Work Groups will have a dedicated Basecamp, which leads will use for communicating dates and sharing resources. Please look out for the email with the link to join. If you'd like further information about how Basecamp works, our NEW information video is available [here](#)

Specialist Knowledge for Teaching Mathematics (SKTM) – Primary and Early Years

The focus of our popular SKTM programme is deep subject knowledge and pedagogy, and has been designed especially for Early Years, Primary teachers and Primary TAs.

The response has been fantastic and we are delighted to be able to offer a **few additional places** on the Primary (Oldham) and Early Years (Bury) programmes, which were previously fully booked.

Please use the following links to enquire about a place:

[Primary teachers - Programme 2 Oldham](#)

[Early Years - Programme 1 Bury](#)

The **Teaching Assistant** programme is designed to support Teaching Assistants in developing specialist knowledge for teaching mathematics, therefore enabling them to further support pupils in maths in the classroom. Three core modules will be addressed: Number Sense (addition and subtraction), Multiplicative Reasoning and Fractions. Please use the links below to book one of the TA programmes:

[TA Programme 1](#)

[TA Programme 2](#)

We are delighted to be able to offer high quality professional development, to help teachers and TAs gain in-depth knowledge and understanding for teaching mathematics. We offer three different SKTM programmes: Early Years, Primary Teachers and Primary Teaching Assistants.



*Imogen Furlong
NW1 Maths Hub
Primary Lead*

Building Firm Mathematical Foundations in Reception

This programme is aimed at schools who are currently developing mastery across their school.

This exciting project aims to secure Early Years' best practice and build firm foundations for all children by the end of Reception. It focuses on supporting EYFS teachers and the school leadership in developing high quality maths provision, based on a clear progression in concepts and appropriate pedagogy that will feed into the mastery approach in KS1.

If your school is already developing a mastery approach and would like to take part in this EYFS project, please apply [here](#)



Primary Teaching for Mastery – Sustaining phase

Been involved in Teaching for Mastery in the past but feel you need more support?



PRIMARY MASTERY

Research has shown that the best way to help students to close the gaps (especially pertinent in the current climate) is by high quality teaching and planning a comprehensive curriculum.

Our new 'Sustaining' phase is the perfect solution. When Teaching for Mastery was in its infancy, it was designed to be just a one year Teacher Research Group. The Specialists and participants all commented on how they felt more support was needed for these schools and indeed all schools going forward. The NCETM and DfE have listened, and now NW1 Maths Hub can offer **free** Sustaining Teaching for Mastery Work Groups.



These give you the opportunity to further embed and sustain the mastery approach in your schools. It offers CPD opportunities for staff across different year groups as well as the maths subject leader and is led by a Teaching for Mastery Specialist.

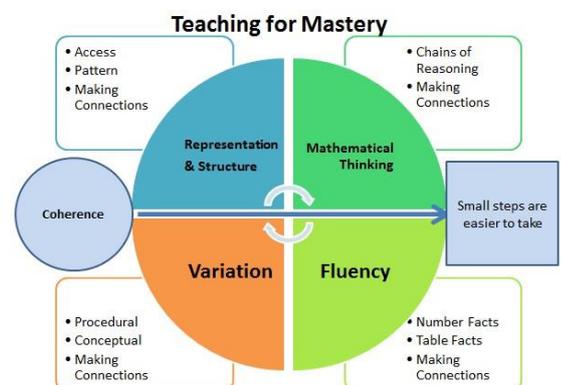
To find out more, watch our short video <https://vimeo.com/471094297> and visit our website [here](#) to sign up today.

Secondary Teaching for Mastery

We still have a few places remaining for Secondary schools to join our Development Work Groups. Each school is invited to nominate two teachers as 'Mastery Advocates' to form part of a Work Group, which meets regularly to develop professional knowledge and expertise.

The Work Groups provide an opportunity for schools to engage in high-quality, sustained and collaborative professional development. The aim of these groups is to support participating teachers in developing teaching for mastery in their own classroom and across their department and to support the development of collaborative ways of working within the department.

For further information and to apply please click [here](#)



Fully funded online Secondary CPD

We are delighted to be offering a full programme of fully funded CPD for Secondary colleagues. All sessions will be held online and if you can't make one, that's not a problem; we are offering recordings of sessions and catch up tutorials at a time to suit you. If you attended last year, you are most welcome to join again for 2020/21 since current issues, such as online learning and COVID-19 recovery will be addressed.

Starting on 12th November, our **Y5-8 continuity Work Group** has been established to strengthen the transition from primary to secondary school by focusing on curriculum and pedagogical continuity over Years 5 to 8. A key theme is multiplicative reasoning and content will include developing a deeper understanding of multiplicative structures, such as fractions, decimals, percentages and ratios. Click [here](#) to sign up – if you can't make the 12th November session, you can still be involved in this programme.



Our popular **Challenging Topics at GCSE** programme starts online on 23rd November and will enable participant teachers to work together to 'unpick' (i.e. analyse, deconstruct and trace through the curriculum) a challenging topic from GCSE Mathematics. Click [here](#) to sign up – if you can't make the 23rd November session, you can still be involved in this programme.

We are running two **Mathematical Thinking for GCSE Work Groups** this year. The key aim of this programme 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 students to get better at mathematical thinking, and what this looks like in the classroom.

Would you like to be part of region wide network of subject specialists? Join our **KS3/4 Problem Solving** group, led by Marisa Bartoli, Director of Mathematics for the Laurus Trust. Working together collaboratively, participants will develop pedagogy, resources and materials that help colleagues develop deeper mathematical understanding for their students.

Fully funded CPD for Post 16

We are offering 3 fully funded programmes to support colleagues working in Post 16 education:

Developing A level pedagogy

Supporting Post-16 GCSE Resit and GCSE Foundation students

Developing Core Maths Pedagogy

All programmes will be run online at times to suit participants. We are offering a flexible approach by providing recordings and catch up tutorials as required. It is hoped that by working online, whole departments will be able to engage and therefore bring greater change.

We are excited to be working on an innovative project around transition from KS4 to KS5. This will aim to improve outcomes for students by helping support the move to colleges through work around pedagogy from KS3 right through to KS5, as well as other strategies.

Mike Thompson, NW1 Level 3 Lead

NCETM podcasts

Don't miss the fantastic new series 'Teaching through the pandemic' of ten-minute podcasts produced by the NCETM. Take a listen [here](#)

In the first episode, a Year 4 teacher discusses using manipulatives without too much hands-on work, and in another episode, a secondary head of maths tells us what's replacing book-marking and looking over students' shoulders to assess understanding.



Valuable resources from Alliance for Learning

Our Teaching School, Alliance for Learning, offers a wide range of support and resources for schools, particularly around the topic of Mental Health. A guide to free resources to support schools during Covid-19 can be accessed [here](#)

To find out more about CPD courses offered for Mindfulness and Wellbeing, Mental Health and Race and Diversity, click [here](#)



Maths Week England - 9th to 14th November 2020

Don't forget to take part and share the joy of maths with everyone!

Visit their website and sign up to access free resources.

<https://mathsweekengland.co.uk/>



Keep up-to-date by following us on Twitter

Please follow us on Twitter for information about all our latest events and CPD. Don't forget to tag us in your maths work!

[@MathsHubNW1](https://twitter.com/MathsHubNW1)

