

Primary Mathematics Teaching for Mastery Work Groups

Information and Application (2017-18)

In 2017-18, all Maths Hubs will be running primary mathematics Teaching for Mastery Work Groups led by Mastery Specialists. Each Maths Hub is now seeking to recruit schools for up to eight Work Groups, each involving six or seven schools (i.e. up to 56 schools per Maths Hub). This document gives information about the Work Groups and how schools can apply to be involved. The closing date for application is Friday 16th June.

Background

Since 2014, The NCETM and Maths Hubs have been working together to develop [approaches to teaching for mastery](#) within primary mathematics. This has been partly informed by the teaching of mathematics in high performing South East Asian jurisdictions. In both 2015 and 2016, the NCETM and Maths Hubs recruited 140 teachers (four per year, per Maths Hub) to participate in a Mastery Specialists development programme. In the first academic year the specialists develop teaching for mastery in their own classrooms and their own schools. The first cohort of specialists has this year been working with a group of schools in developing teaching for mastery in these schools.

The Teaching for Mastery Work Groups

In 2017-18, all Maths Hubs will be running up to eight primary mathematics Teaching for Mastery Work Groups. Each Work Group will be led by one of the Maths Hub's Mastery Specialists and involve six or seven primary schools. During the year, they will work closely together to introduce and develop approaches to teaching for mastery. The Work Group activity will include:

- Each school identifying two teachers to lead developments within their school
- The two teachers working together with the Mastery Specialist and teachers from the other Work Group schools in half-termly Teacher Research Group (TRG) meetings and through an online community
- Each school receiving a termly support visit from the Mastery Specialist to observe teaching, support in-school TRGs, and work with the lead teachers and head teacher
- The head teacher working with the Maths Hub leadership and other Work Group school head teachers to develop whole school policies and structures to support teaching for mastery
- The lead teachers, supported by the head teacher, working with colleagues to develop teaching for mastery approaches in the classroom, supported by professional development activity including TRG methods

In 2018-19, the schools will be encouraged to then continue being part of the Work Group. For example, each half-term, schools might take turns to host TRG-style meetings. The Work Group will no longer be led by the Mastery Specialist but the specialist will still attend some of the meetings. The Maths Hub will also ensure the schools have access to other support, and the Maths Hub will continue to facilitate access for the school to a network that helps schools in their ongoing development of teaching for mastery. It is recognised that teaching for mastery is not a quick fix, but takes time to become fully embedded. Thus each school should be fully committed to continued development beyond the initial support in the first year.

Benefits for participating schools

Participating in the Work Group will provide the following benefits to participant schools:

- High quality support for teacher professional development for the lead teachers, facilitated by the Mastery Specialists
- Support for the head teacher in addressing leadership issues related to teaching for mastery from the Mastery Specialist and the Maths Hub leadership

- Opportunity to work closely with other schools also developing teaching for mastery
- No charge for participation and a grant of £1000 to help subsidise teacher release time
- Up to £2000 matched funding to support the school in buying text books from the DfE's recommended list

Who can apply

The Work Groups are intended for schools that are already committed to using teaching for mastery approaches for primary mathematics. Schools should also have the capacity for engaging in significant development work during 2017-18 and 2018-19. Schools that have already begun to engage with teaching for mastery are more likely to be prioritised by the Maths Hub.

Expectations of participating schools

Schools chosen to participate in the Work Group commit to the following expectations:

- The lead teachers will participate in the half-termly, cross-school Work Group meetings with the Mastery Specialist (half-days) and contribute to the online community
- The lead teachers will receive a minimum of 10 (combined) days release time for development work including the above meetings
- The lead teachers will be supported to take up leadership in their own school and work in a collaborative manner to support the professional development of other teachers in their school
- The head teacher will meet with the Mastery Specialist and the Maths Hub leadership as well as working with the other Work Group school head teachers
- The school will seek to introduce teaching for mastery approaches across the school and establish TRG professional development models to support teacher development
- The school will provide any reports required by the Maths Hub and participate in any evaluation processes required
- The school will continue to meet with the schools in the Work Group for the year 2018-19

Funding

There is no charge to schools participating in the Work Group. Each school will receive a £1000 grant towards the cost of the required teacher release time and be eligible for up to £2000 matched-funding to support the school in buying text books.

How to apply

Schools interested in applying to be part of a Work Group in 2016-17 should complete the application form below and submit to your Maths Hub by Friday 16th June. (Details of the Maths Hubs are given in the appendix.)

The Maths Hub will then make contact with you with more details about the selection process.

Primary Mathematics Teaching for Mastery Work Group Application

(Please complete and return to your Maths Hub by Friday 16th June)

School details

Name of school			
Address			
School URN		Telephone	
Head Teacher		E-mail	
Maths Hub			

Details of lead teacher 1

Name			
E-mail		Telephone	
School role/s including teaching group/s in 2016-17			

Details of lead teacher 2

Name			
E-mail		Telephone	
School role/s including teaching group/s in 2016-17			

Engagement with a Mastery Specialist

Has your school been working with a Maths Hub Mastery Specialist in 2016-17 (Yes/No)	
If yes, please name the Mastery Specialist	

Head teacher statement

<p><i>Please give details of why you wish the school to participate in the Work Group and your commitment to teaching for mastery approaches including details of any existing engagement with these approaches (up to 250 words)</i></p>

Confirmation of school commitment (electronic signatures)

If we are chosen to participate in the Work Group, we understand and commit to the following expectations:

- The lead teachers will participate in the half-termly, cross-school Work Group meetings with the Mastery Specialist (half-days) and contribute to the online community
- The lead teachers will receive a minimum of 10 (combined) days release time for development work including the above meetings
- The lead teachers will be supported to take up leadership in their own school and work in a collaborative manner to support the professional development of other teachers in their school
- The head teacher will meet with the Mastery Specialist and the Maths Hub leadership as well as working with the other Work Group school head teachers
- The school will seek to introduce teaching for mastery approaches across the school and establish TRG professional development models to support teacher development
- The school will provide any reports required by the Maths Hub and participate in any evaluation processes required
- The school will continue to meet with the schools in the Work Group in 2018-19

Head Teacher	<i>Signature of Head Teacher</i>
Lead teacher 1	<i>Signature of Lead Teacher 1</i>
Lead teacher 2	<i>Signature of Lead Teacher 2</i>

(Note: When the form is e-mailed, please copy in all signatories as confirmation of their electronic signature)

Appendix: Names of Maths Hubs and lead schools/colleges

Below is a list of the 35 Maths Hubs. Contact details for each Maths Hub can be found on the Maths Hubs Programme [website](#).

South West Region:

Cornwall and West Devon Maths Hub (Truro and Penwith College)
Jurassic Maths Hub (The Woodroffe School, Lyme Regis)
Boolean Maths Hub (Cabot Learning Federation, Bristol)
GLOW Maths Hub (Balcarras Teaching School, Cheltenham)

West Midlands Region:

Central Maths Hub (Bishop Challoner Catholic College, Birmingham)
Salop and Herefordshire Maths Hub (The Priory School, Shrewsbury)
North Mids and Peaks Maths Hub (Painsley Catholic College, Cheadle, Staffordshire)

North West Region:

North West One Maths Hub (Altrincham Grammar School for Girls)
North West Two Maths Hub (Ashton on Mersey School, Manchester)
North West Three Maths Hub (St Helen's Teaching School Alliance)
North North West Maths Hub (Lancaster Royal Grammar School)

North East Region:

Great North Maths Hub (North Tyneside Learning Trust)
Archimedes NE Maths Hub (Carmel College, Darlington)

Yorkshire and the Humber Region:

Yorkshire Ridings Maths Hub (Harrogate Grammar School)
White Rose Maths Hub (Trinity Academy, Halifax)
Yorkshire and the Humber Maths Hub (Outwood Grange Academies Trust, Wakefield)
South Yorkshire Maths Hub (Notre Dame High School, Sheffield)

East Midlands Region:

East Midlands West Maths Hub (George Spencer Academy & Technology College, Stapleford, Nottinghamshire)
East Midlands East Maths Hub (The Minster School, Southwell, Nottinghamshire)
East Midlands South Maths Hub (Beauchamp College, Oadby, Leicestershire)

East of England Region:

Enigma Maths Hub (Denbigh School, Milton Keynes)
Cambridge Maths Hub (Comberton Village College, Cambridge)
Matrix Essex and Herts Maths Hub (The Hertfordshire and Essex High School & Science College, Bishop's Stortford)
Norfolk and Suffolk Maths Hub (Sir Isaac Newton Sixth Form, Norwich with Kesgrave High School, Ipswich)

South East Region:

Bucks, Berks and Oxon Maths Hub (Wycombe High School, High Wycombe)
Surrey Plus Maths Hub (St John the Baptist Catholic Comprehensive School, Woking)
Solent Maths Hub (The Mary Rose Academy, Portsmouth)
Sussex Maths Hub (St Paul's Catholic College, Burgess Hill)
Kent and Medway Maths Hub (Sir Joseph Williamson's Mathematical School, Rochester)

London Region:

London North East Maths Hub (Elmhurst Primary School, Newham)
London Central and NW Maths Hub (The St. Marylebone CE School, Westminster)
London Central and West Maths Hub (Fox Primary School, Kensington & Chelsea)
London South West Maths Hub (Belleville Primary School with Chesterton Primary School, Wandsworth)
London Thames Maths Hub (Harris Federation, Croydon)
London South East Maths Hub (Redriff Primary School with City of London Academy, Southwark)