

## **Primary Mathematics Teaching for Mastery Work Groups**

### **Information and Application (2019-20)**

In 2019/20, all Maths Hubs will be running primary mathematics Teaching for Mastery Work Groups led by Mastery Specialists. This programme is for schools who have a commitment to developing a teaching for mastery approach. Although the participation involves two teachers attending events outside of the school, it is expected that these two teachers lead development across the whole school. Each Maths Hub is now seeking to recruit schools for Work Groups, each involving six or seven schools. This document gives information about the Work Groups and how schools can apply to be involved. The first round closing date is Friday 22 March 2019 when all applications received will be considered and places allocated. A second round with a later closing date will then be run for any unfilled places.

#### **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 the last four years the NCETM and Maths Hubs have recruited teachers to participate in a Mastery Specialists development programme. Once trained, Mastery Specialists work with other schools in Teaching for Mastery Work Groups.

#### **The 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) style 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 in developing an action plan for the school
- The head teacher working with the Mastery Specialist and other Maths Hub's leadership 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 Teacher Research Group methods
- Following the first year the schools are expected to then continue being part of the Work Group. This Work Group will no longer be led by the Mastery Specialist, but will be supported by the Maths Hub to continue to work as a collaborative group that supports schools in their development of teaching for mastery.

#### **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 Specialist

- Support for the head teacher in addressing leadership issues related to teaching for mastery from the Mastery Specialist and the Maths Hub's 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
- Financial help, should the school make the decision to purchase textbooks (subject to DfE confirmation.)

### **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 2019/21. 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 complete gap tasks.
- The lead teachers will receive a minimum of 10 (combined) days' release time for development work including the above meetings
- The head teacher will meet with the Mastery Specialist and the Maths Hub's leadership as well as working with the other Work Group school head teachers
- The school will 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 collaborate with the schools in the Work Group for the year 2020/21

### **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 financial help towards the purchase of textbooks (subject to DfE confirmation.)

### **How to apply**

Schools interested in applying to be part of a Work Group in 2019/20 should complete the application form below and submit to either their Maths Hub by Friday 22 March (details of the Maths Hubs are given in the appendix) or direct to the NCETM ([mathshubs@ncetm.org.uk](mailto:mathshubs@ncetm.org.uk)). Early applications are encouraged.

There is the opportunity to engage in the programme with other schools that you already work with, for example as part of an Academy Trust or local cluster of schools. Each school must still make an individual application, but you can indicate on the application form the schools you would like to be placed with.

Once the school has applied, the Maths Hub will then make contact with you to explain next steps.

**Primary Mathematics Teaching for Mastery Work Group Application**  
*(Please complete and return to your Maths Hub (or NCETM) by Friday 22 March 2019)*

**Maths Hub**

Which Maths Hub are you applying to?	NW4: North North West Maths Hub (Lancaster Royal Grammar School)
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*(Note: If you are unsure which Maths Hub to apply to please send your application directly to the NCETM, who will then forward it to the appropriate Maths Hub)*

**School details**

Name of school			
Address			
School URN	Telephone		
Head Teacher	Email		
Local Authority			

**Details of lead teacher 1**

Name			
Email	Telephone		
School role/s including teaching group/s in 2018/19			

**Details of lead teacher 2**

Name			
E-mail	Telephone		
School role/s including teaching group/s in 2018/19			

**Head teacher statement**

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)

**Group Applications**

There is the opportunity to engage in the programme with other schools that you already work with, for example as part of an Academy Trust or local cluster of schools. Each school must still make an individual application, but you can indicate below the schools you would like to be placed with. Please note this request cannot be guaranteed but the Maths Hub will take it into consideration in the selection process

We wish to be considered as part of a group application Yes/No
Please name the schools you would like to be placed with
Please describe your relationship to the schools named above

**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 head teacher will meet with the Mastery Specialist and the Maths Hub's leadership as well as working with the other Work Group school head teachers
- The school will 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 collaborate with the Work Group in 2020/21

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 emailed, 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:

- SW1: Cornwall and West Devon Maths Hub (Truro and Penwith College)
- SW2: Jurassic Maths Hub (The Woodroffe School, Lyme Regis)
- SW3: Boolean Maths Hub (Bristol Metropolitan Academy, Cabot Learning Federation, Bristol)
- SW4: GLOW Maths Hub (Balcarras Teaching School, Cheltenham)

### West Midlands Region:

- WM1: Central Maths Hub (Bishop Challoner Catholic College, Birmingham)
- WM2: Salop and Herefordshire Maths Hub (The Priory School, Shrewsbury)
- WM3: North Mids and Peaks Maths Hub (Painsley Catholic College, Cheadle, Staffordshire)

### North West Region:

- NW1: North West One Maths Hub (Altrincham Grammar School for Girls)
- NW2: North West Two Maths Hub (Ashton on Mersey School, Trafford)
- NW3: North West Three Maths Hub (St Mary & St Thomas' C of E Primary School, St Helen's)
- NW4: North North West Maths Hub (Lancaster Royal Grammar School)

### North East Region:

- NE1: Great North Maths Hub (Churchill Community College, North Tyneside Learning Trust)
- NE2: Archimedes NE Maths Hub (Carmel College, Darlington)

### Yorkshire and the Humber Region:

- YH1: Yorkshire Ridings Maths Hub (Harrogate Grammar School)
- YH2: West Yorkshire Maths Hub (Trinity Academy, Halifax)
- YH3: Yorkshire and the Humber Maths Hub (Outwood Grange Academy, Wakefield)
- YH4: South Yorkshire Maths Hub (Notre Dame High School, Sheffield)

### East Midlands Region:

- EM1: East Midlands West Maths Hub (George Spencer Academy & Technology College, Stapleford, Nottinghamshire)
- EM2: East Midlands East Maths Hub (The Minster School, Southwell, Nottinghamshire)
- EM3: East Midlands South Maths Hub (Beauchamp College, Oadby, Leicestershire)

### East of England Region:

- EE1: Enigma Maths Hub (Denbigh School, Milton Keynes)
- EE2: Cambridge Maths Hub (Comberton Village College, Cambridge)
- EE3: Matrix Essex and Herts Maths Hub (The Hertfordshire and Essex High School & Science College, Bishop's Stortford)
- EE4: Norfolk and Suffolk Maths Hub (Sir Isaac Newton Sixth Form, Norwich with Kesgrave High School, Ipswich)

### South East Region:

- SE1: Bucks, Berks and Oxon Maths Hub (Wycombe High School, High Wycombe)
- SE2: Surrey Plus Maths Hub (St John the Baptist Catholic Comprehensive School, Woking)
- SE3: Solent Maths Hub (The Mary Rose Academy, Portsmouth)
- SE4: Sussex Maths Hub (St Paul's Catholic College, Burgess Hill)
- SE5: Kent and Medway Maths Hub (Sir Joseph Williamson's Mathematical School, Rochester)

### London Region:

- LO1: London North East Maths Hub (Elmhurst Primary School, Newham)
- LO2: London Central and NW Maths Hub (The St. Marylebone CE School, Westminster)
- LO3: London Central and West Maths Hub (Fox Primary School, Kensington & Chelsea)
- LO4: London South West Maths Hub (Belleville Primary School with Chesterton Primary School, Wandsworth)
- LO5: London Thames Maths Hub (Harris Academy Crystal Palace, Harris Federation)
- LO6: London South East Maths Hub (Redriff Primary School, Southwark)