

## Primary Mathematics Teaching for Mastery Work Groups

### Information and Application (2018-20)

In 2018-19, 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 closing date for application is **21<sup>st</sup> May 2018**.

#### 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 three years the NCETM and Maths Hubs recruited teachers to participate in a Mastery Specialists development programme. Once trained Mastery Specialists work with other schools in teaching for mastery workgroups.

#### 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 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 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 act as a network 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
- Matched funding of £2000 to support the school in buying text books

### **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 2018-20. 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 network 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 £2000 matched funding for the purchase of textbooks.

### **How to apply**

Schools interested in applying to be part of a Work Group in 2018-19 should complete the application form below and submit Archimedes NE Maths Hub by 21 May 2018 (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 21 May 2018 at email [jspringhall@carmel.org.uk](mailto:jspringhall@carmel.org.uk))

### 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 2018-19			

### Details of lead teacher 2

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

### Engagement with a Mastery Specialist

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

### Head teacher statement

<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>

### Group Applications

There is the opportunity to engage in the programme with other schools that you already work with, for example as part of a Multi-Academy Trust, Teaching School Alliance, 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.

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

### 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 meet with 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 (Bristol Metropolitan Academy, 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)  
West Yorkshire 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)