

## Primary Mastery Specialist Programme

### Cohort 4 (2018-19) – Information and Application

Following the very successful first three cohorts of the primary Mastery Specialist programme, the NCETM and Maths Hubs are now seeking to recruit a fourth cohort of expert primary school teachers to develop and work as **Primary Mastery Specialists**. This document gives information about the programme and how teachers and their schools can apply to be involved. The closing date for applications is Monday 5<sup>th</sup> March 2018 5pm.

#### 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 informed by the teaching of mathematics in high performing South East Asian jurisdictions. Each year since 2015 the NCETM and Maths Hubs have recruited more than 100 Mastery Specialist teachers. The first year in post is a training and development year, establishing mastery in their own schools, with the support of their senior leadership team. In the following years, they lead Work Groups involving six or seven other schools in the development of teaching for mastery.

#### The programme

The NCETM and the Maths Hubs now want to recruit a fourth cohort of teachers to develop and work as Mastery Specialists. 2018-19 will be the development year for the teachers and their schools. And subject to confirmation of funding from the DfE then, in 2019-20 and in 2020-21, the Mastery Specialists will each lead a Teaching for Mastery Work Group for their Maths Hub. It is expected that the Mastery Specialist's school becomes a leading exponent of teaching for mastery in this time and so the school needs to ensure that it has the capacity and desire to take on and develop a teaching for mastery approach in the next few years. Before a teacher applies for the role, headteachers might find it useful to look at the NCETM website where there are interviews with heads who have led the introduction of teaching for mastery in a school. (<https://www.ncetm.org.uk/resources/49822>)

In their development year, 2018-19, participating teachers will:

- attend the NCETM cohort induction day (Monday 9<sup>th</sup> July 2018) along with their head teacher
  - participate in three two-day residential professional development events led by the NCETM (October 2018, January 2019, and June 2019)
  - develop their own understanding and skills for teaching for mastery in their own class
  - work with colleagues, supported by the head teacher, to develop teaching for mastery approaches across their school, using a range of professional development activity, including regular Teacher Research Group (TRG) meetings
  - lead a pilot TRG with teachers from interested local schools
  - collaborate with the Maths Hub's leadership and the other Maths Hub Mastery Specialists
- This will require 15 days teacher release time and will be fully funded through the Maths Hubs.

It is expected, but subject to confirmation of funding, that in 2019-20 and 2020-21, the Mastery Specialists will:

- lead a Teaching for Mastery Work Group for their Maths Hub involving six/seven schools

- lead a half-termly Work Group meeting with 12/14 teachers (two lead teachers from each school)
- carry out a termly support visit to each school to observe teaching, support in-school TRGs, and work with the lead teachers and head teacher
- continue to develop and embed teaching for mastery approaches across their own school
- continue to collaborate with the Maths Hub's leadership and Mastery Specialists

This will require 30/33 days teacher release time and will be fully funded through the Maths Hubs.

### Benefits for participating teachers and their schools

Participating in the programme will provide the following benefits to the Mastery Specialists and their schools:

- Mastery Specialists will develop:
  - understanding of the principles of mastery within the context of teaching mathematics
  - deep subject knowledge of primary mathematics to support teaching for mastery
  - skills of teaching, planning and assessment in order to effectively support pupils in developing a deep and sustainable understanding (i.e. mastery) of mathematics
  - ability to support teachers, within their own school and in other schools, to adopt a teaching for mastery approach, including leading Teacher Research Groups
- Mastery Specialists will have the opportunity to work closely with the NCETM team and the national and local communities of Mastery Specialists
- Mastery Specialists, who are not already accredited NCETM PD Leads, will be able to gain this accreditation through successful completion of the programme
- The Mastery Specialist's school will benefit from high quality and sustained support in embedding teaching for mastery across the school

### Who should apply

The table below shows the essential and desirable criteria for applicants to the programme. This should be evidenced in the application form, which includes both the applicant's statement and the head teacher's reference.

Essential	Desirable
Qualified Teacher Status	Additional Status, e.g. Mathematics SLE/MaST
Employed as a teacher in a Primary/Infant/Junior/Middle School, and regularly teaching mathematics to the same class of children at least three days/week	Mathematics Subject Leader
Able to fulfil the programme requirements and time commitment outlined above	
Good teaching skills in mathematics as evidenced by internal/external/Ofsted observation	A minimum of four years teaching primary mathematics
Passion and enthusiasm for teaching for mastery	A desire to develop as a specialist teacher of primary mathematics
Ability to work collaboratively with others	
Successful track record of working with other professionals effectively within your own school	Successful track record of working effectively with other professionals across a group of schools
Excellent communication and interpersonal skills	The ability to grow leadership capacity in others
An understanding of what constitutes effective learning in mathematics and the ability and confidence to communicate this	

Maths Hubs will look to appoint Mastery Specialists so that they both meet the criteria as set out above but also fit into the hub's strategic plan for developing teaching for mastery across the region.

### **Expectations of participating teachers and their schools**

For teachers selected to be part of the programme, there are the following expectations of them and their schools:

- The head teacher and Mastery Specialist commit to developing and embedding mathematics teaching for mastery approaches across the school, supported by professional development activity, including regular TRG meetings in their own school
- The head teacher commits to supporting the Mastery Specialist with their outreach work with other schools in ensuring that they are given appropriate release time
- The Mastery Specialist commits to developing their understanding and practice related to mathematics teaching for mastery including:
  - attending the cohort induction day in Birmingham (Monday 9<sup>th</sup> July 2018)
  - participating in the three two-day residentials
  - developing mathematics teaching for mastery within their own class
  - completing any assignments required as part of the development programme
- The Mastery Specialist commits to all aspects of the role and the release time required (2018-19: 15 days; and subject to funding from DfE in 2019-20: 30/33 days; 2020-21: 30/33 days) including:
  - supporting teachers within their own school and leading regular TRG meetings
  - running a pilot TRG with interested schools (2018-19)
  - leading a Teaching for Mastery Work Group (2019-20 and 2020-21) involving half-termly cross-school TRG meetings and termly support visits to Work Group schools
  - collaborating with the Maths Hub's leadership and Mastery Specialists
- The head teacher commits to support the Mastery Specialist, including:
  - attending the cohort induction day (Monday 9<sup>th</sup> July 2018)
  - helping the specialist develop and embed teaching for mastery within the school
  - ensuring the teacher receives the required release time
- The Mastery Specialist and head teacher will provide any reports required by the Maths Hub and participate in any evaluation processes required

### **Funding**

In the development year, 2018-19, your Maths Hub will fund the cost of 15 days release time for the Mastery Specialist's work and the cost of travel to the NCETM induction conference. It is also anticipated but subject to confirmation, that there will also be £2000 matched funding for the school to purchase textbooks from the DfE approved list. In 2019-20 and in 2020-21, your Maths Hub will fund the cost of 30/33 days release time for the Mastery Specialist's work and the cost of travel for school support visits.

### **How to apply**

Applicants, in conjunction with their head teacher, should complete the form below and submit it to the NCETM ([mathshubs@ncetm.org.uk](mailto:mathshubs@ncetm.org.uk)) by Monday 5<sup>th</sup> March 2018. You will receive a confirmation of receipt e-mail from the NCETM. Your Maths Hub will then make contact with you with more details about the selection process. The selection process will be completed by Wednesday 9<sup>th</sup> May 2018.

## Primary Mastery Specialist Programme

### Cohort 4 (2018-19) Application Form

Together with your head teacher, please complete all sections of this form and return the completed form, copying in your head teacher, by email to [mathshubs@ncetm.org.uk](mailto:mathshubs@ncetm.org.uk) by 5pm, Monday 5<sup>th</sup> March. Following your application, you will receive a confirmation of receipt email from the NCETM. If you do not receive this confirmation after a few days, please notify the NCETM at the above email address.

#### Applicant details

Name	
E-mail	
Telephone	
Current role/job title	
When did you attain Qualified Teacher Status?	
Was mathematics a specialism on your initial teacher training course?	
How many years have you been employed as a primary teacher?	

#### School details

Name of school	
School Address	
School Post Code	
School URN (6 digits)	
Head Teacher name	
HT e-mail	
HT telephone	
Name of Maths Hub you are applying to <i>*see appendix for list of Maths Hub names, please provide full name</i>	

#### Current teaching and responsibilities

<i>Please give details of your mathematics teaching groups</i>	
Which class or classes have you taught maths to in 2017-18 (state year group/s) and how many days/week?	
Which class or classes are you expecting to teach maths to in 2018-19 (state year group/s) and how many days/week?	
<i>Please give details of your current areas of responsibility within your school, or more widely (Max 100 words).</i>	

#### Teaching career history

<i>Please give details of schools or other educational organisations that you have worked in (most recent post first)</i>			
Dates	School/organisation	Position held	Year groups taught


### Mathematics-specific qualifications

<i>Please give details of any mathematics-specific qualifications that you hold</i>				
Year	Awarding body	Subject	Qualification	Grade/Classification

### Mathematics related professional development

<i>Please give details of mathematics professional development you have undertaken</i>	
Year	Professional development

### Mathematics teaching/leadership related accreditation, awards or status

<i>Please give details of any mathematics teaching/leadership related accreditation, award or status (e.g. MaST teacher, Mathematics SLE, NCETM Accredited PD Lead).</i>	
Year	Accreditation/award/status

### Experience in supporting other teachers of mathematics

<i>Please give examples of your experience in supporting other teachers of mathematics (Max 300 words).</i>

### Applicant final statement

<i>Please supply any further information you wish to offer in support of your application. Include recent developments in your own classroom practice, influence on others, and any direct involvement in the developing mathematics teaching in your school (Max 300 words).</i>

### Head teacher statement

<i>Please give details of your commitment to mathematics teaching for mastery approaches across your school including details of any existing engagement with these approaches (Max 300 words)</i>

### Head teacher reference

<i>Please elaborate on the skills, ability and qualities of the applicant</i>
The applicant's mathematics teaching skills:

The applicant's ability to support other teachers:

The applicant's general professional qualities (e.g. commitment, organisational skills)

### Alternative opportunity, if not selected

<p>If not selected, would you want your school to be considered for participation in one of the Maths Hub's Teaching for Mastery Work Groups in 2018-19 (Yes/No) <i>This does not apply if your already part of an existing Teaching for Mastery Work Group</i></p>	
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### Confirmation of participant and head teacher commitment (electronic signatures)

We understand that if selected to be part of the programme, there are the following expectations:

- The head teacher and Mastery Specialist commit to developing and embedding mathematics teaching for mastery approaches across the school, supported by professional development activity, including regular TRG meetings
- The Mastery Specialist commits to developing their understanding and practice related to mathematics teaching for mastery including:
  - attending the cohort induction day (9<sup>th</sup> July 2018)
  - participating in the three two-day residentials (October 2018, January and June 2019)
  - developing mathematics teaching for mastery within their own class
  - completing any assignments required as part of the development programme
- The Mastery Specialist commits to all aspects of the role and the release time required (2018-19: 15 days (confirmed) 2019-20: 30/33 days (anticipated due to confirmation of funding) 2020-21: 30/33 days) (anticipated due to confirmation of funding) including:
  - supporting teachers within their own school and leading regular TRG meetings
  - running at least one pilot TRG with interested schools in Spring or Early Summer 2019
  - leading a Teaching for Mastery Work Group (2019-20 & 2020-21) involving half-termly cross-school TRG meetings and termly support visits to Work Group schools – *dependent on funding but likely based on previous years*
  - collaborating with the Maths Hub's leadership and Mastery Specialists
- The head teacher commits to support the Mastery Specialist, including:
  - attending the cohort induction day (9<sup>th</sup> July 2018)
  - helping the specialist develop and embed teaching for mastery within the school
  - ensuring the teacher receives the required release time
  - being willing for the school to develop as an exponent for teaching for mastery over the next few years
- The Mastery Specialist and head teacher will provide any reports required by the Maths Hub and participate in any evaluation processes required

Head Teacher	<i>Signature of Head Teacher</i>
Applicant	<i>Signature of Mastery Specialist Applicant</i>

(Note: When the form is e-mailed, please copy the e-mail to 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. More details about 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)  
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)