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## SHaW Maths Hub Primary Update 10 September 2020

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### Funded support from SHaW Maths Hub

We hope that you have had a settled start to term. From a personal perspective, it was great to teach children in class again. You may feel ready to book PD opportunities for your team, having had other priorities last week.

Please book now, even though many of the dates and venues are still to be confirmed. Should there be a clash when dates and venues are announced, you will be welcome to cancel. We anticipate that many [Work Groups](#) are likely to fill up before dates or venues are finalised so advise schools to book now.

Many teachers have been inspired by the NCETM/Maths Hubs Teaching for Mastery [video lessons](#) and [materials](#) over the past few months. We have places for schools to join funded Teaching for Mastery Work Groups for [Mastery Readiness](#), [Teaching for Mastery](#) and [Sustaining Mastery](#).

Debbie Morgan, NCETMs Director for Primary Mathematics, will be leading an [online briefing](#) for SHaW Maths Hub Schools on 1st October. There will be one place available for each school registered for Sustaining Mastery Work Groups.

If you have any teachers with new responsibility for Maths in your school this year, please check that they receive these updates...with the link to register [here](#), if not.

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[Mastery Readiness](#)

[Developing Mastery \(with up to £3000 funding\)](#)

**Sustaining Mastery - please see separate section below**

[Year 5-8 Continuity - Bar Modelling and Multiplicative Reasoning - online](#)

[Year 5-8 Continuity - Bar Modelling and Multiplicative Reasoning - Telford](#)

[SEND and Maths - Hereford](#)

[SEND and Maths - Telford](#)

Sustaining Mastery bookings are open (see below), with nine different groups in various locations across the SHaW Maths Hub region available. Schools continuing from Developing Mastery to Embedding Mastery are automatically enrolled so only need to make contact if there will be a change to which teachers will be participating or any name or email addresses changes.

Click [here](#) to see an enlarged version of the image below. New groups will be added to the [Work Groups page](#) on our website when ready.

## MATHS HUBS PROJECTS 2020/21

**HOW TO TAKE PART:**  
If you'd like to participate in any of this work, contact your local Maths Hub to find out how your school can get involved [www.mathshubs.org.uk](http://www.mathshubs.org.uk)

Every Maths Hub is again offering opportunities for schools to develop their maths teaching. The work spans the school and college phases, and addresses a range of themes. All Work Groups are broadly similar in structure, with schools and teachers at hub level engaging in professional development activities around an agreed targeted outcome. Just as in earlier year, results and successes will be measured and evaluated, and will inform subsequent years' projects. Contact your local hub to find out which projects suit your school.

**EARLY YEARS**  
Building Firm Mathematical Foundations in Reception: Work Groups in this project are aimed at schools who are currently developing mastery school-wide. Early Years practitioners and senior leaders will develop their understanding of how EY best practice feeds into a teaching for mastery approach and supports progression, specifically exploring how to link teaching in EYFS and teaching for mastery (The Five Big Ideas) in Year 1.

**PRIMARY**  
Teaching for Mastery – Maths Hubs are supporting schools at every stage of introducing and embedding a teaching for mastery approach.  

- Establishing Work Groups of teachers from schools who are becoming mastery ready, who are introducing teaching for mastery, and who are continuing the work started in 2019/20 primary mastery projects.
- Work Groups are available for schools at four stages of introducing and sustaining teaching for mastery: Mastery Readiness, Development, Embedding and Sustaining.
- All primary mastery Work Groups focus on supporting schools to develop strong curriculum, teaching and professional development practices that reflect a teaching for mastery approach.

**STRADDLING THE TRANSITION**  
Year 5 to 8 Continuity: Primary and secondary teachers collaborate on this project, to ensure continuity of mathematical learning from Year 5 to Year 8. Work Groups will take an aspect of the mathematics curriculum or a pedagogical approach as the focus for their work and develop a consistent approach to it.

**SECONDARY**  
Teaching for Mastery: What does effective mastery of maths look like for secondary school students? Work Groups will probe this area, with participants becoming 'Mastery Advocates' and developing their pedagogy and knowledge through bespoke support from a Mastery Specialist. Schools who have already begun to develop teaching for mastery can participate in Work Groups that promote understanding of how to sustain the approach department-wide.  
**Challenging Topics at GCSE:** Tackling GCSE Maths presents challenges for students and teachers alike. Work Groups will explore a single GCSE 'topic', establishing what the issues and the common misconceptions are, how these might be addressed, and how teaching in KS3 might improve understanding for this topic in KS4.  
**Mathematical Thinking for GCSE:** Work Groups offer teachers and their departments nationally coordinated support to address the reasoning and problem-solving challenges of the maths curriculum and its assessment at GCSE.

**POST-16**  
Supporting Post-16 GCSE result: These Work Groups get to grips with a variety of methods designed to support teachers of students resitting their Maths GCSE.  
 These Level 3 projects are all run by Maths Hubs in partnership with the Advanced Maths Support Programme (AMSP).  
**Developing Core Maths Pedagogy:** Teachers either new to Core Maths or looking to expand existing provision can join Work Groups exploring the philosophy and practicalities of this qualification.  
**Developing Pedagogy in A Level Mathematics:** The demands of A level Maths are explored, as participants develop knowledge of the content and requirements of the specification and understand the purpose of the overarching themes.

**SPECIALIST KNOWLEDGE FOR TEACHING MATHEMATICS (SKTM)**  
There's more to subject knowledge than knowing how to do the maths yourself! Teachers and teaching assistants need to have a clear understanding of how children grasp and retain mathematical concepts. This year, Maths Hubs are running training programmes with this objective for EY practitioners, primary teachers, and SAs in primary schools.

**ITT PROVIDERS**  
In each Maths Hub area, a network of ITT providers will be created, to develop working partnerships, spread good practice, and share work on mastery with trainee teachers.

**WHO LEADS THE WORK?**  
Throughout the year, there are also various programmes to develop and maintain a nationwide group of local leaders of maths education (LLMEs) who lead all Work Groups. Across the Maths Hubs Network, projects exist to enhance this leadership capacity and to support those seeking to become LLMEs.  
 This leadership emerges and grows in many ways:  

- Developing Mastery Specialists in primary and secondary schools.
- Running national workshops for maths SLEs to learn from each other.
- Supporting teachers who have attained, or who are seeking to achieve, NCEM Accredited PD Lead status.
- Maintaining local networks so local leaders of maths education can stay in touch.

Covid-19 Recovery

The ongoing impact of the coronavirus outbreak and knock-on effects on school life remain uncertain.  
So, all Maths Hubs work will adapt to changing realities. There's likely to be more live online collaboration, for example. In addition, Work Group content will address both schools' recovery from coronavirus-related disruption and the central maths subject matter of each project.

**Work Groups - arrangements**

The school year 2020/21 will be substantially affected by the impact of the coronavirus outbreak. The knock-on effects on school life and teachers' working lives can't be predicted with any certainty. So, all Maths Hubs work will be flexible and adapt to changing realities. There's likely to be more live online collaboration, often including use of video, for example. In addition, Work Group content will be adjusted to address schools' recovery from coronavirus-related disruption alongside work on the central maths subject matter of each project.

To support schools so that multiple teachers can engage with funded, high quality, collaborative, classroom based, continuing professional development to make a positive difference in learning for children, we have put the following support systems in place:

- there will be no SHaW Maths Hub workshops during September
- many Work Groups starting in October and November will begin with an online workshop
- face to face workshops will only take place when schools are fully open
- we intend to stick to scheduled dates by booking online platforms to offer adapted provision should face to face provision not be possible
- we will continue to listen to and support School Leaders
- schools will continue to receive full funding for funded projects whether workshops are online or face to face

### [NCETM and Maths Hubs Covid recovery resources now available](#)

Materials to support teachers and schools planning and delivering Covid recovery maths teaching at both primary and secondary level are available from the NCETM. All are accessible from the dedicated [Covid support page](#) on the new NCETM website.

If you are working closely with secondary schools, an evidence-based [guidance document](#) to support discussions about recovery curriculum content and pedagogy has been produced, along with a [one-hour training session](#) and accompanying materials to help KS3 teachers and maths departments understand the implications for Year 7 of the DfE primary guidance. More materials, including guidance videos and departmental training sessions, will be added soon.

For primary schools and teachers, there are resources linked to the DfE guidance published in July this year. These include [ready-to-use training materials](#), a short [video](#), and a [suite of 79 PowerPoints](#) focusing on the ready-to-progress criteria found in the new DfE guidance. The latter would be ideal for schools to use as part of the National Tutoring Programme or for any dedicated catch-up tutoring. The 180 [primary video lessons](#) produced during lockdown are also still available. Each lesson has an accompanying teacher guide, and PowerPoint of the lesson for teachers to adapt themselves.

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Bookings are open for Sustaining Mastery, which is for **all** schools that participated in the Developing Teaching for Mastery programme (including up to £3000 funding) up to and including 2018-19. Schools can continue their development collaboratively under the new funded Sustaining Mastery Work Groups programme.

Schools should select their Teaching for Mastery Maths Lead for the Leadership option and up to one other teacher for Lesson Design to both register (separately) for one of the locations below:

#### **Leadership - 3 workshops**

- 1a) [Coalbrookdale & Ironbridge - Thursdays](#)
- 2a) [Much Wenlock - Thursdays](#)
- 3a) [N Herefordshire/S Shropshire - TBC](#)
- 4a) [Oswestry - Thursdays](#)
- 5a) [Ross-on-Wye 1 - Wednesdays](#)
- 6a) [Ross-on-Wye 2 - Thursdays](#)
- 7a) [Shrewsbury North - Wednesdays](#)
- 8a) [Shrewsbury South - Wednesdays](#)
- 9a) **[Whixall - Wednesdays](#)**

#### **Lesson Design - 3 workshops**

- 1b) [Coalbrookdale & Ironbridge - Year 2 - Thursdays](#)
- 2b) [Much Wenlock - Year 5 - Thursdays](#)
- 3b) [N Herefordshire/S Shropshire - TBC - TBC](#)
- 4b) [Oswestry - Year 2 - Thursdays](#)
- 5b) [Ross-on-Wye 1 - Year 1 - Wednesdays](#)
- 6b) [Ross-on-Wye 2 - Year 4 - Thursdays](#)
- 7b) [Shrewsbury North - Year 3/4 - Wednesdays](#)
- 8b) [Shrewsbury South - Year 1 - Wednesdays](#)
- 9b) [Whixall - Year 5/6 - Wednesdays](#)

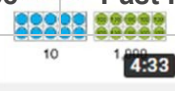

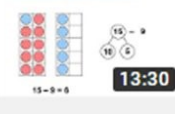
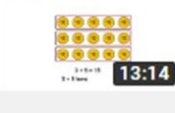
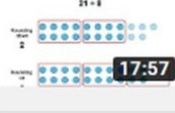


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## **Guidance for Teaching Mathematics in Primary Schools**

New DfE guidance prioritising the essential building blocks of the curriculum is available for school leaders, teachers, other school staff and governing bodies.

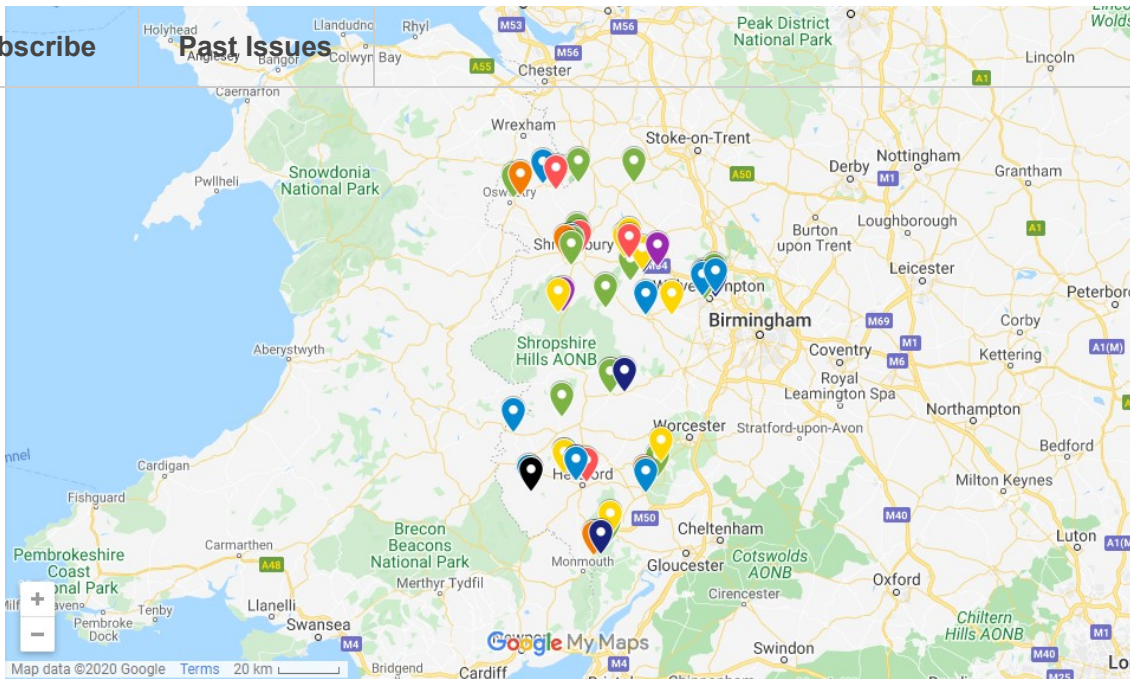
[Key Stages 1 and 2 maths guidance](#) identifies core concepts in the NC & shows how pupils can progress their understanding of them over the course of primary school.

[These videos](#) summarise the core concepts for each year group:

1		Department for Education
2		Department for Education
3		Department for Education
4		Department for Education
5		Department for Education
6		Department for Education
7		Department for Education

## Local Leaders of Maths Education

[This map](#) highlights the support for schools from recognised and accredited maths professional development leaders across our region through SHaW Maths Hub.



Please email [shawmathshub@tpstrust.co.uk](mailto:shawmathshub@tpstrust.co.uk) if you would be interested in leading a maths professional development beyond your own setting.

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## Embedding Mastery

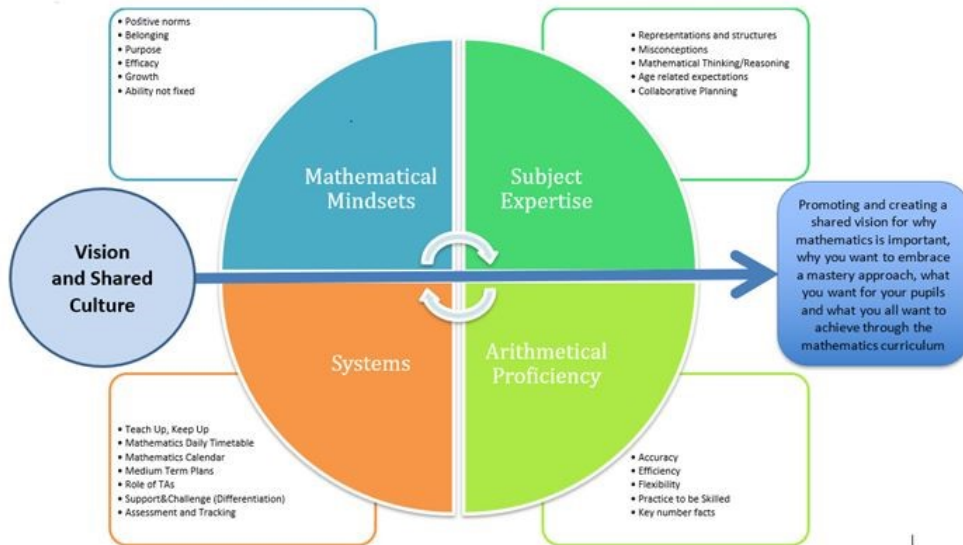
Schools participating in their first year of the Developing TfM programme this year are automatically enrolled for Year 2 of the programme - Embedding Teaching for Mastery, including £500 funding for each school. Please notify Catherine Walker by email to [shawmathshub@tpstrust.co.uk](mailto:shawmathshub@tpstrust.co.uk) if there are any changes to names or email addresses for participants.

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## Mastery Readiness

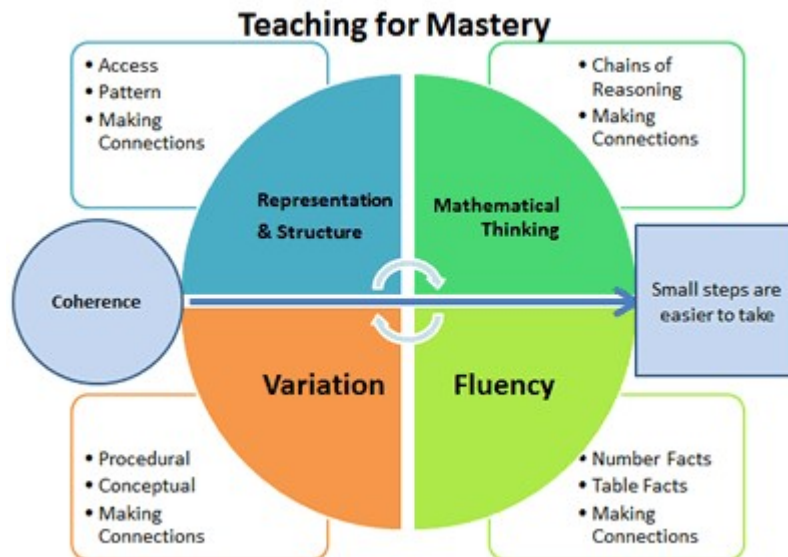
Schools participating in a Mastery Readiness Work Group first will receive additional funding and provision. Further information and booking can be found [here](#).

# The five big ideas of mastery readiness



## Developing Teaching for Mastery

Further information and booking can be found [here](#), with up to £3000 funding for all participating schools in this Work Group.



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These popular Work Groups are now available to book:

[SKTM for Teachers of Years 1 and 2 - Shrewsbury](#)

[SKTM for Teachers of Years 1 and 2 - Wolverhampton](#)

[SKTM for Teachers of Years 3 and 4 - Hereford](#)

[SKTM for Teachers of Years 3 and 4 - Wolverhampton](#)

[SKTM for Teachers of Years 5 and 6 - Craven Arms](#)

[SKTM for New or Aspiring Maths Subject Leads - Telford](#)

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## Early Years Work Groups

### Building Firm Mathematical Foundations in Reception Work Group

This Work Group is open to schools that are participating in Mastery Readiness, Developing Mastery, Embedding Mastery or Sustaining Mastery Work Groups.

[Hereford](#) (Tuesdays)

[Shrewsbury](#) (Fridays)

[Wolverhampton](#) (Tuesdays)

### Specialist Knowledge for Teaching Mathematics

[Ludlow](#) - Pattern, Shapes, Space and Measures (Tuesdays)

[Telford](#) - Number Pattern and Structures (Tuesdays)

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## Network Meetings

### Shropshire

Online meetings

Mon 21st September (1.30-3.00pm) or Tues 22nd September (3.45-5.15pm)

Agenda

- The EEF Guide to Supporting School Planning: A Tiered Approach to 2020-21 (August 2020): implications for primary mathematics
- DfE Mathematical Guidance - Key Stages 1 and 2 Non-statutory guidance for the national curriculum in England (July 2020): key messages for mathematics leaders
- NCETM, Maths Hub and other updates

Click to [BOOK](#) for either of these online meetings, which are free to subscribing schools

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Please use the [online bookings system](#) for bookings. All work groups are free, with cover costs of up to £200 per day paid for teachers in their first two years of teaching.

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## Useful Links:

- [Assessment Materials - Teaching for Mastery](#)
- [Calculation Guidance](#)
- [EEF Report - Improving Mathematics in the Early Years and Key Stage One](#)
- [EEF Report - Improving Maths in Key Stages Two and Three](#)
- [Equals Online - free SEND & Maths ideas and resources](#)
- [Marking Guidance](#)
- [Maths Glossary](#)
- [NCETM Maths Podcasts](#)
- [NCETM Qualifications and Curriculum Microsite](#)
- [NRICH Teacher Newsletters](#)
- [Primary Teaching for Mastery Evaluation Report](#)

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## Can't find the answers?

If you are unable to find answers to your queries from our [work groups page](#) please email Catherine Walker, our Maths Hub Operations Manager: [shawmathshub@tpstrust.co.uk](mailto:shawmathshub@tpstrust.co.uk)

Check our website: [www.shawmathshub.co.uk](http://www.shawmathshub.co.uk)

Follow us on Twitter: [@shawmathshub](https://twitter.com/shawmathshub)

Go to [www.shawmathshub.co.uk/register](http://www.shawmathshub.co.uk/register) if you wish to be added to our database to receive fortnightly updates directly - stating your preference for Primary and/or Secondary.

Call us on: **01743 284002**

Graham Charles

SHaW Maths Hub Strategic Lead

[www.shawmathshub.co.uk](http://www.shawmathshub.co.uk)

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