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**SHaW Maths Hub**  
**Secondary Update**  
**13 July 2020**



Please view this email in your browser to see the accompanying images.

**Thank you**

Thank you for your continued support, with around 1000 teachers taking part in SHaW Maths Hub Work Groups and conferences this year. If you have any teachers with new responsibility for Maths in your school for 2020-21, please check that they receive these updates...with the link to register [here](#), if not. Likewise, please use this link if you know that your school is changing email addresses.

We wish you a restful and enjoyable summer break.

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## [Work Groups 2020-21 - bookings](#)

### **Work Groups 2020-21 - bookings**

We are taking bookings for the following Work Groups:-

[Challenging Topics at GCSE - online/blended](#)

[Mathematical Thinking for GCSE - online](#)

[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](#)

[A Level Pedagogy - online](#)

[Core Maths - online](#)

[GCSE Resit - TBC](#)

Whilst still to be confirmed, the intention is that face to face workshops will be full day, whilst online workshops will probably be 1315-1600. If there is a day of the week you would be unable to participate, please note that on your booking, with dates still to be confirmed.

We have a place available for a school to work with a Herefordshire based Secondary Teaching for Mastery Specialist, including £2000 funding - please book to secure the final place for the funded [Teaching for Mastery](#) Work Groups.

The sheet below provides a general overview of all Maths Hub Work Groups. Click [here](#) to see an enlarged version of the image below. New primary groups and confirmed dates for secondary 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	PRIMARY	STRADDLING THE TRANSITION	SECONDARY	POST-16
<p><b>Building Firm Mathematical Foundations in Reception:</b> 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.</p>	<p><b>Teaching for Mastery:</b> Maths Hubs are supporting schools at every stage of introducing and embedding a teaching for mastery approach:</p> <ul style="list-style-type: none"> <li>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.</li> <li>Work Groups are available for schools at four stages of introducing and sustaining teaching for mastery: Mastery Readiness, Development, Embedding and Sustaining.</li> <li>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.</li> </ul>	<p><b>Year 5 to 8 Continuity:</b> 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 as the focus for their work and develop a consistent approach to it.</p>	<p><b>Teaching for Mastery:</b> 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.</p> <p><b>Challenging Topics at GCSE:</b> 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.</p> <p><b>Mathematical Thinking for GCSE:</b> 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.</p>	<p><b>Supporting Post-16 GCSE resit:</b> These Work Groups get to grips with a variety of methods designed to support teachers of students resitting their Maths GCSE.</p> <p>These Level 3 projects are all run by Maths Hubs in partnership with the Advanced Maths Support Programme (AMSP).</p> <p><b>Developing Core Maths Pedagogy:</b> Teachers either new to Core Maths or looking to expand existing provision can join Work Groups exploring the philosophy and practicalities of this qualification.</p> <p><b>Developing Pedagogy in A Level Mathematics:</b> 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.</p>
<p><b>SPECIALIST KNOWLEDGE FOR TEACHING MATHEMATICS (SKTM)</b></p> <p>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 SLAs in primary schools.</p>				
<p><b>ITT PROVIDERS</b></p> <p>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.</p>				
<p><b>WHO LEADS THE WORK?</b></p> <p>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:</p> <ul style="list-style-type: none"> <li>Developing Mastery Specialists in primary and secondary schools.</li> <li>Running national workshops for maths SLEs to learn from each other.</li> <li>Supporting teachers who have attained, or who are seeking to achieve, NCEM Accredited PD Lead status.</li> <li>Maintaining local networks so local leaders of maths education can stay in touch.</li> </ul>				

**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 2020-21 - arrangements

### Covid Recovery

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

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## **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.

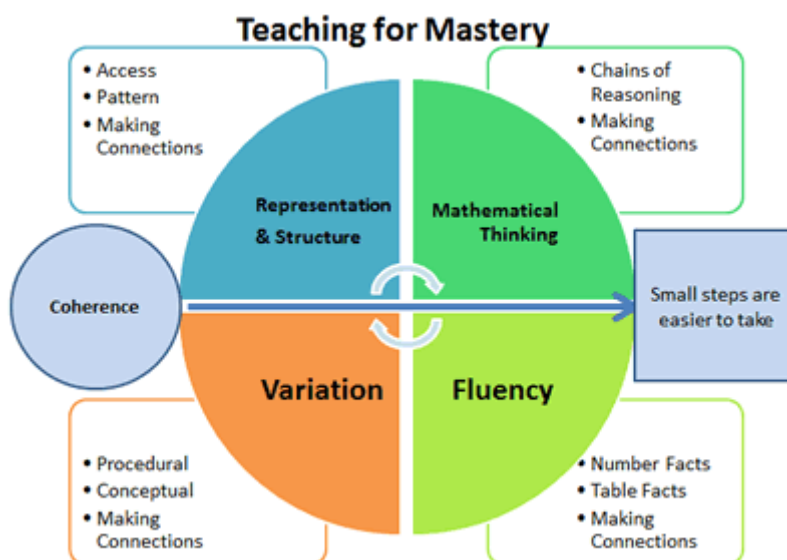


Please email [shawmathshub@tpstrust.co.uk](mailto:shawmathshub@tpstrust.co.uk) if you would be interested in leading maths professional development beyond your own setting.

## Joining a Secondary Teaching for Mastery Work Group in 2020-21

Any new bookings received will be on our priority placements for 2021-22. We do have a vacancy for a Herefordshire based school to join for 2020-21.

As well as receiving bespoke support from one of SHaW Maths Hub's TfM Specialists, participating schools will also receive £2000 to support developments. The Work Group is suitable for **all** Maths departments, irrespective of whether you have setting or mixed attainment classes. Schools interested in joining TfM Work Groups can find further details and book [here](#).



Schools participating in Teaching for Mastery Work Groups this year will automatically be enrolled for Embedding Mastery Work Groups for 2020-21, including £1000 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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## **Booking Form**

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:**

- [Advanced Mathematics Support Programme - West Midlands](#)
  - [Assessment materials - Secondary Teaching for Mastery](#)
  - [Charlie Stripp Blog - Protected Maths PD Time for all teachers](#)
  - [EEF Blog: What maths teachers need to know about pupils using calculators](#)
  - [Equals Online - free SEND & Maths ideas and resources](#)
  - [EEF Report - Improving Maths in Key Stages Two and Three](#)
  - [Language of Mathematics in Science Guide](#)
  - [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.

## **Graham**

Graham Charles

SHaW Maths Hub Strategic Lead

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

[@shawmathshub](https://twitter.com/shawmathshub)



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### **Our mailing address is:**

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Click [here](#) to find out more about Salop Teaching Alliance CPD opportunities.

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