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**Salop & Herefordshire Maths Hub**  
**Secondary Update**  
**8 May 2018**



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

**[Secondary Mastery Specialist Applications](#)**

To apply to join our team of Secondary Mastery Specialists, please return the completed [form](#) to [mathshubs@ncetm.org.uk](mailto:mathshubs@ncetm.org.uk) by 5pm on Thursday 7th June.

Secondary Mastery Specialists are expert practitioners who embed Teaching for Mastery approaches in their schools and are dedicated to support schools in our area who are looking to adopt and develop this approach.

Salop and Herefordshire Maths Hub recruit and support local Mastery Specialists as they undertake a year-long funded development programmes led by the NCETM and throughout their time as a Work Group Leaders for Teacher Research Groups.

Mastery Specialists' schools receive funding for release time and travel expenses. If you are interested in applying for the programme, or would like to recommend the opportunity to one of your team, [please click here for full details.](#)

Please note that applications for the opportunity to work with and be supported by a Mastery Specialist during 2018-19 will open nationally on 14th May.

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## Using Technology to Develop Conceptual Understanding in Secondary Maths

This will be a one-day workshop in Shrewsbury on Wednesday 27 June, followed by three short webinars, led by Ruth Tanner. Many teachers have requested support for using dynamic mathematics software to support their teaching at KS3-4. The teachers that have requested this have glimpsed the potential of technology to enrich learning whilst being involved with other Maths Hub work groups.

The webinar format allows the potential for:

- other colleagues being able to join subsequent workshops
- being able to offer extra webinars, based on requests from schools
- flexibility with dates so that subsequent webinars could be arranged to coincide with departmental meeting slots for schools that make requests

Ruth was selected by NCETM to lead a 'Train the trainers' technology in Maths professional development group, so is well placed to lead this group.

We recommend that Secondary Schools [book](#) for one participant to take part in the initial workshop, allowing the potential for multiple colleagues within your departmental team accessing subsequent webinars.

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## A Level Active (including use of Technology)

You are welcome to [book](#), to join this group on 6th July in Market Drayton, to continue to explore the role of technology in aiding teaching and learning for the new A Level, including Pure Maths, Mechanics and Statistics. This hands-on workshop will include use of GeoGebra, Autograph, Excel, Desmos and Microsoft Mathematics, as well as calculator use, with all participants able to receive free software to download in advance.

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## Subject Knowledge Enhancement for Secondary Teaching Assistants and Intervention Mentors

We are running work groups for TAs in Shrewsbury and Hereford during the Summer Term, after the exam season, led by Louise Hoskyns-Staples.

**15o** - 22 June, 28 June, 3 July 2018

Shrewsbury Training & Development Centre

**15p** - 18 June, 25 June, 4 July 2018

Gardner Hall, Hereford

Louise is a former Secondary Head of Maths, and has led many recent developments in Primary Maths Education. She is well placed to share her Primary and Secondary expertise to help develop the subject and pedagogical knowledge of TAs working in Secondary Maths classrooms.

**Schools may [book](#) up to 4 places for these work groups.**

*'I recommend this having seen Louise lead a Primary SKE for TAs work group. All 20 participants were able to tell me about the positive impact it would have for the pupils that they work with....and all 20 are recommending that other colleagues in school take part next time.'*

Have you discussed this opportunity with the SENCO at your school?

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## Primary Teaching for Mastery (TfM) - 2018-19 Work Groups

Our deadline for [applications](#) is 5pm on Friday 11th May, so there's still time for Primary Schools to consider applying for these free, well regarded and up to £3000 funded groups.

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## 9-1 GCSE Maths - Subject Knowledge Enhancement

**Please note that cover costs (up to £180 per day) are paid for all participants for both of these subject knowledge enhancement work groups.**

We are taking [bookings](#) for these two work groups:

### Foundation Tier GCSE Maths

In Shrewsbury, with Sally Bamber on 16th May, 20th June and 26th June

*'Pupils have been responding well to the new questioning techniques I have learned.'*

*'Pupils are motivated by their successes, realising they're making sense of previously muddled concepts.'*

Please note that the Foundation Tier group is ideal for ALL of the following:

- 1) teachers unfamiliar with some of the new Foundation Tier content
- 2) teachers new to teaching GCSE Maths
- 3) teachers teaching GCSE Maths as a resit

### Brushing Up Subject Knowledge for GCSE Maths - Topics new to Higher Tier

In Leominster, with Ruth Tanner, on 14th June and 5th July.

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### Realistic Maths Education

Free training and Key Stage 3 lesson materials to support students' progress, develop problem solving and development of deep conceptual understanding are available through participation in EEF/RME trial. Links for [Further details](#) and [expression of interest](#) documents may be of particular interest for schools looking to improve performance of disadvantaged pupils.

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## [Teacher Subject Specialist Training \(TSST\)](#)

TSST is for teachers who teach Maths, or intend to teach Maths, even though it is not their specialist subject. The training is free. The blended approach, to do some of the training online and attend face to face workshops, proves to be popular. CIMT, Plymouth University run the assessment units, which you can see [here](#).

Please use the [booking form](#) to register interest in TSST for 2018-19.

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## [Network Meetings](#)

We recommend that Maths Subject Leaders take an active part in local Network meetings.

### [Herefordshire](#)

Christine Watson - Autumn Term - TBC

Please use the Hereteach [online booking form](#)

### [Shropshire](#)

Kev McKie - Thursday 5th July 2018, 9.15am to 12.00pm  
Shrewsbury Training and Development Centre  
Further details and booking details [here](#)

### [Telford](#)

Richard Stakes - Monday 25 June 2018, 2.30 to 5.00 pm  
Telford Conference Centre, University of Wolverhampton  
Further details and booking details [here](#)

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## [Booking Form](#)

Please use the [online booking form](#) for all bookings.

All work groups are free, with cover costs of up to £180 per day for teachers in their first two years of teaching.

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## [Inclement Weather](#)

Should any workshops need to be cancelled on the day, we will notify via [Twitter](#), which also has a feed on our [website](#). Please check either Twitter or our website should you have any doubts whether the workshop will be running because of the weather conditions. The work group will be running if there is no message to inform that it has been cancelled.

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## Useful Links:

- [Assessment materials - Secondary Teaching for Mastery](#)
- [EEF Blog: What maths teachers need to know about pupils using calculators](#)
- [EEF Report - Improving Maths in Key Stages Two and Three](#)
- [FMSP Student Events](#)
- [Language of Mathematics in Science Guide](#)
- [Marking Guidance](#)
- [Maths Glossary](#)
- [NCETM Maths Podcasts](#)
- [NCETM Qualifications and Curriculum Microsite](#)
- [NRICH Teacher Newsletters](#)

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Check our website: [www.mathshubs.org.uk/salopandhereford](http://www.mathshubs.org.uk/salopandhereford)

Follow us on Twitter: [@SandH\\_MathsHub](https://twitter.com/SandH_MathsHub)

Email [mathshub@tpstrust.co.uk](mailto:mathshub@tpstrust.co.uk) if you wish to be added to our database to receive fortnightly updates directly.

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## Can't find the answers?

If you are unable to find answers to your queries from our work groups page: [www.mathshubs.org.uk/salopandhereford/work-groups](http://www.mathshubs.org.uk/salopandhereford/work-groups) please email Alison Osborn, our Maths Hub coordinator: [mathshub@tpstrust.co.uk](mailto:mathshub@tpstrust.co.uk)

## **Graham**

Graham Charles

Salop and Herefordshire Maths Hub Strategic Lead

[www.mathshubs.org.uk/salopandhereford](http://www.mathshubs.org.uk/salopandhereford)

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