

Salop & Herefordshire Maths Hub
Secondary Update
27 March 2018

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[Subject Knowledge Enhancement for Secondary Teaching Assistants](#)

We will be running work groups for TAs in Shrewsbury and Hereford during the Summer Term, after the exam season, led by Louise Hoskyns-Staples. See below for dates and venues:-

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.

Please let your local Primary Schools know when booking for one of these work groups - pupils will gain more where there is a coherent Primary to Secondary maths progression.

[Using Technology to Develop Conceptual Understanding in Secondary Maths](#)

This will be a one-day workshop 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 but currently lack the confidence in their own IT skills to get started.

[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.

[Core Maths Network Meeting](#)

The [Core Maths](#) initiative is aimed at increasing the number of post-16 students studying mathematics. [Core Maths](#) is about students doing meaningful mathematical problems to increase their confidence in using mathematics to be better equipped for the mathematical demands of other courses, higher education and employment. [Core Maths](#) is the new Level

3 qualification for students who achieved at least a Grade 4 (formerly a Grade C) at GCSE mathematics and wish to develop their practical skills so they may apply these in work, study or everyday life.

If you are offering Core Maths, or considering offering Core Maths next year, please use our [booking form](#) to register to attend the Network Meeting on Monday 23rd April (0930-1200 at Shrewsbury Training and Development Centre) with Kev McKie.

[EEF Blog: What maths teachers need to know about pupils using calculators](#)

Following the recent EEF guidance report '[Improving Mathematics in Keys Stages 2 and 3](#)' the EEF have produced a new document about [calculator use in Maths](#).

[Year 5-8 Continuity Work Groups](#)

The work group below include professional development to help pupils with coherent primary to secondary maths progression. Please let your local Primary Schools know when booking:

[Problem Solving and Reasoning](#) (starts 29th June)

[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.

[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.

[UKMT Team Challenge \(Years 8 and 9\)](#)

The [Team Maths Challenge](#) (TMC) is a national competition, run by the UK Mathematics Trust, which aims to engage and enhance pupils' mathematical thinking, communication and teamwork skills; click [here](#) for more details and past materials. It is open to teams (one per school) of 4 students from Years 8 and 9, including no more than two from Year 9. Some schools have already entered a team. There are a few places (during normal

school hours) for **Earl Mortimer College and Sixth Form Centre, Leominster on Friday 20 April 2018.**

[Future Teaching Scholars](#)

Do you know any Year 13 students that are planning to study Maths or Physics related degrees at University and could potentially make excellent teachers? If so, they are eligible for a £5,000 bursary per year of University study (£15,000 total) to train on the [Future Teaching Scholars teacher training route](#) alongside their degree. Please share this [link](#) with Year 13 students you think might be interested in this scheme.

[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](#)

[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.

[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.

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](#)

Check our website: www.mathshubs.org.uk/salopandhereford

Follow us on Twitter: [@SandH_MathsHub](#)

Email mathshub@tpstrust.co.uk if you wish to be added to our database to receive fortnightly updates directly.

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 please email Alison Osborn, our Maths Hub coordinator: mathshub@tpstrust.co.uk

Graham

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