

SYMH Secondary Update

March 2018

There are times in the year when we start to look ahead and despite the fact that we are barely in Spring, over the next few weeks and months is a crucial time for schools to be considering what their developmental focus is for next year how they might engage with Maths Hubs. Follow this link to the latest Maths Hub promo video ([Vimeo link](#)) and for more detail on teaching for mastery, including case studies, lesson videos and teacher interviews, see the [NCETM mastery pages](#).

Whilst there are many areas of focus for development, now is also the time to let us at SYMH know if you feel there is an aspect of teaching maths not being addressed.

*Finally a promotion for the **Maths GCSE resits conference on the 17th March**. This free national conference is being held in Sheffield and despite being on a Saturday there are some brilliant people presenting and running the workshop sessions. You can sign up or find further information via this link below:*

<https://www.eventbrite.co.uk/e/gcse-maths-resits-conference-tickets-43136582680>

Best wishes.

Pete

psides@symathshub.org.uk

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Teaching for Mastery (TfM) Showcase events

An opportunity for school leaders and maths teachers to attend a showcase TRG event. These workshops will include a “teaching for mastery” lesson observation but more importantly exemplify the professional dialogue procedures before and after the lesson that underpins much of the TfM development programmes.

Two events are available, both will take place throughout a morning session.

Notre Dame High School, Sheffield (Thurs 22nd March)

Hungerhill School, Doncaster (Thurs 12th April)

To register your intention to attend either of these events please email Tara at admin@symathshub.org.uk

Teacher Research Groups (TRGs)

There is still opportunity for schools to engage in TRGs this year, with funding available to support schools to release staff to attend.

Two opportunities are available

Horizon Community College (19th March, 7th May, 25th June)

Notre Dame High School (22nd March, 3rd May, 3rd July)

To register an interest in receiving funding to engage with either of these programmes please email Tara at admin@symathshub.org.uk

Introductory workshops, Doncaster (June/July dates to be confirmed)

An opportunity to explore the teaching for mastery principles and pedagogical practices in more depth is being made available in two 1-day workshops in the summer term. This is aimed at leaders of KS3 maths and will provide colleagues with resources to share within their departments through which teachers can begin to explore TfM strategies.

NB: Free introductory presentations are also available to all South Yorkshire maths departments which can be delivered at a department meeting in your own school.

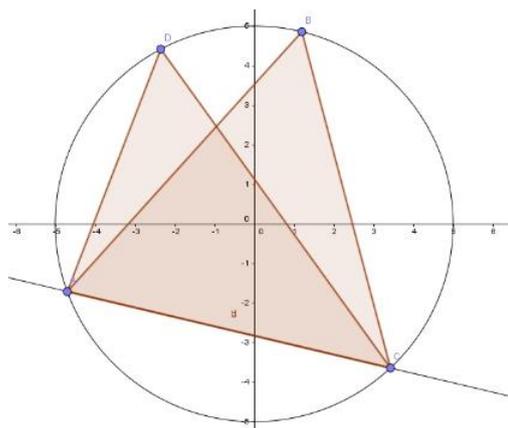
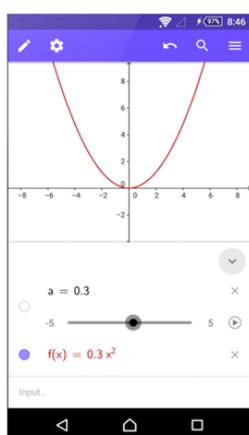
To register your interest in either please email Tara at admin@symathshub.org.uk

Working with a specialist 2018/9

There is a funded opportunity for schools who would like to explore and develop the teaching for mastery strategies alongside a teaching for mastery specialist throughout 2018/9. This will entail engaging in teacher research group activity both within the specialists and your own school. For further information and to express an interest in applying to participate in this departmental professional development please contact admin@symathshub.org.uk

Using Technology in GCSE & A level classrooms - Doncaster cohort (24th April, 16th May, 12th June, 11th July)

This work group will focus on developing strategies and resources to support teachers at GCSE and beyond to incorporate this aspect into everyday teaching.



This will include resource development and trialling ideas out in the classroom followed by collaborative reflection and review. In particular the use of Geogebra as a tool for graphing, geometric modelling and a statistical analysis is investigated.

To register an interest in participating in this work group please email psides@symathsub.org.uk

An advert on behalf of NW1 Maths Hub

Mastering the Transition from Primary to Secondary Maths

March 22 | Manchester

Designed for both Primary and Secondary teachers, this in-depth course introduces the essential concepts and strategies you need to help learners find lasting success in Secondary maths.

You'll learn:

- *Proven Singapore maths concepts including the CPA approach, questioning techniques, and bar modelling for Year 6 algebraic understanding.*
- *How mastery approaches differ between KS2 and KS3, and how to set pupils up for maths success — year after year.*
- *Efficient teaching strategies that foster problem solving skills and a stable mathematical understanding.*
- *In-depth knowledge and go-to skills from the world's leading Singapore maths expert, Dr Yeap Ban Har.*

Follow this link for booking and information

<https://mathsnoproblem.com/en/courses/primary-secondary-transition-manchester-uk/>

EEF opportunity from Manchester Metropolitan University

Please see [this invitation](#) from our colleagues at the MMU

We would like to invite you to be part of a new project working with Key Stage 3 mathematics teachers to:

- *enable students to develop mastery in mathematics*
- *encourage students to develop a variety of strategies for problem-solving*
- *support the development of a deep conceptual understanding*
- *support students' progress in both mixed and setted groups*

The mathematics team at Manchester Metropolitan University has been working with Realistic Mathematics Education for more than 10 years. We have designed and developed a range of successful materials based on this approach. We are now inviting schools to take part in a 2-year trial using these materials, fully funded by the

Education Endowment Foundation (EEF), and involving students beginning Year 7 in September 2018.

Please see [the flyer](#) for more details of how the project will work and how your school would be involved as part of the intervention or control groups. You can also find more details of the trial on the EEF website [here](#).

To register your interest in taking part in this project, please complete our short on-line form via [this link](#). Alternatively, email us at rme@mmu.ac.uk providing your name, your school's name and postcode and your contact details.

We are looking for 120 schools to participate. Please register your interest as soon as possible. If you have any questions, we will be very happy to hear from you: email rme@mmu.ac.uk

Sue Hough, Steve Gough and Yvette Solomon



Recruitment of Local Leaders of Maths Education (LLMEs)

In order for the Maths Hubs to facilitate professional development through work groups and other PD activity, all maths hubs across the country are looking to develop a work force of enthusiastic colleagues committed to supporting the development of others. This group of professionals which may include SLEs, consultants or teachers who aspire to be engaged in outreach work are collectively known as LLMEs. You do not have to be an SLE or experienced PD lead we are also looking to support the development of aspirant LLMEs of the future.

There are a growing number of opportunities from training to be a teaching for mastery specialist or running a work group to supporting other teachers by facilitating network meetings or running open classrooms. If you are interested in any of the above or would like to widen your experience of working with professionals in other schools please register your interest by emailing Tara at admin@symathshub.org.uk

Local Priorities for 2018/9

We are keen to meet the developmental needs for local schools and whilst there are national priorities that will continue to instigate work groups we are also keen for colleagues to bring to our attention areas of development that they feel should be addressed that are not currently a focus of work groups.

Follow [this link](#) for a list of work groups in 2017/18, we expect similar aspects to be the focus of work groups in 2018/9 and we hope to make these more widely available.

If however you feel there is something we are missing please email your thoughts and ideas to psides@symathsub.org.uk and we will look at ways we can possibly use our innovation funding to explore this.

South Yorkshire Maths Hub Secondary Update

Past copies of Update can be uploaded from the SYMH website [newsletter page](#).
SYMH Administrator Tara Webster can be contacted at admin@symathshub.org.uk