

## **SYMH Secondary Update**

**February 2018**

*Alongside a growing commitment from the Department of Education to place Maths Hubs at the heart of maths education development, we are still keen to hear from colleagues about local priorities they wish to see as part of the programmes of professional development.*

*However plans for 2018/9 are now being implemented and there are already proposals for teachers and schools to participate in maths hub activity as part of their developmental plans. We very much encourage all to engage with these opportunities whether it be with South Yorkshire Maths Hub or one of our sister hubs.*

*As always feel free to get in touch if you have any queries.*

*Best wishes.*

*Pete*

[psides@symathshub.org.uk](mailto:psides@symathshub.org.uk)

### **Contents**

#### **Teaching for Mastery Showcase event (22<sup>nd</sup> March)**

#### **Secondary Specialist Programme**

- **Launch event (19<sup>th</sup> February)**
- **Teacher Research Groups (March – July)**
- **Introductory workshops (June – July)**
- **Train to be a specialist**
- **Working with a specialist 2018/9**

#### **Recruiting Local Leaders of Maths Education & local priorities for 2018/9**

#### **Other professional development opportunities**

- **Critical thinking (March – June)**
- **Using Technology in GCSE (April – July)**

#### **EEF opportunity from Manchester Metropolitan University**

### **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.

**Hungerhill School, Doncaster (TBD)**

**Notre Dame High School, Sheffield (Thurs 22<sup>nd</sup> March)**

To register your intention to attend either of these events please email Tara at [admin@symathshub.org.uk](mailto:admin@symathshub.org.uk)

### **Teaching for mastery launch event (19<sup>th</sup> Feb Horizon CC, Barnsley)**

There is an opportunity for both school leaders and leaders of maths to attend a launch event for the Barnsley teacher research group. This will be a presentation that outlines the principles and practices of teaching for mastery as well as introduce the strategy of a teacher research group with which schools will be invited to participate. This event will be held at Horizon Community College on Monday 19<sup>th</sup> February from 3.45 – 5pm. Please email Tara at [admin@symathshub.org.uk](mailto:admin@symathshub.org.uk) your intention to attend.

### **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 (19<sup>th</sup> March, 7<sup>th</sup> May, 25<sup>th</sup> June)**

**Notre Dame High School (22<sup>nd</sup> March, 3<sup>rd</sup> May, 3<sup>rd</sup> July)**

To register an interest in receiving funding to engage with either of these programmes please email Tara at [admin@symathshub.org.uk](mailto: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. Due to “opportunity area” funding Doncaster schools may receive funding to contribute to the cover costs for attending these workshops.

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](mailto:admin@symathshub.org.uk)

### **Train to be a teaching for mastery specialist**

South Yorkshire Maths Hub has the opportunity to fund a small number of trainee specialists to undertake the national programme and develop themselves and their departments to embed the principles and pedagogical strategies that underpin Teaching for mastery. Successful applicants will be committed to developing their own practice but also that of their school’s maths department and in time be prepared to support the development of other schools.

There are places in two cohorts available, starting in either April or September an information and application form can be viewed [here](#) but for further details and to express an interest in applying please contact [psides@symathshub.org.uk](mailto:psides@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](mailto:admin@symathshub.org.uk)

## **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](mailto: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](mailto:psides@symathsub.org.uk) and we will look at ways we can possibly use our innovation funding to explore this.

## Critical Thinking (23<sup>rd</sup> March & 15<sup>th</sup> June)

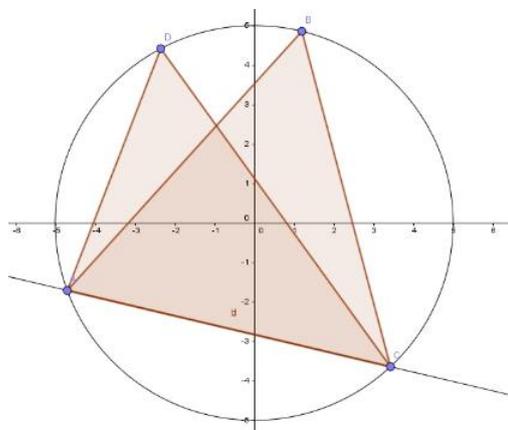
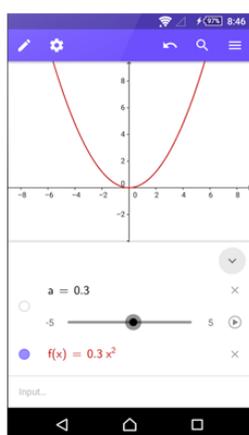
The British Council has collaborated with the NCETM to offer this **free** course at Notre Dame High School, Sheffield to support and help you to explore practical ways of developing and implementing the fundamental elements of problem solving and critical thinking in mathematics teaching and learning

This course is recommended for those teaching or leading mathematics at key stages 3 and 4, who wish to develop the use of problem solving skills and critical thinking in this challenging, new aspect of the curriculum

Follow link for [FLYER](#) or use this link to [book a place online](#)

## 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](mailto:psides@symathsub.org.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](mailto: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](mailto:rme@mmu.ac.uk)*

*Sue Hough, Steve Gough and Yvette Solomon*

