

SYMH Secondary Extra

November 2017

Two new events this term I want to draw to your attention as well as reminding you all that it's still not too late to sign up to some of this year's work groups. Details of work group leaders, how to register for a work group and regular updates can be found on the [South Yorkshire Maths Hub website](http://www.southyorkshiremathshub.org.uk)

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New events for this term

An opportunity to observe and engage with a teaching for mastery designed lesson as part of the launch events for the local teaching for mastery specialist programme.

Monday 11th December: Horizon Community College, Barnsley

Thursday 14th December, Notre Dame High School, Sheffield

Each afternoon event will follow a similar structure that exemplifies how the specialist teacher research groups will be run in 2018.

- Explanation of the lesson design and how this fits with the TfM principles.
- Lesson observation
- Post lesson professional reflection and discussion

To express an interest in attending either of the two events or for further details please contact psides@symathshub.org.uk

Work groups still available for 2017/8

- Arithmetic skills in KS3 (28th Nov)
- Addressing GCSE resits (6th Dec)
- Mathematical thinking at GCSE (7th Dec)
- Hard to teach GCSE topics (4-12th Dec)
- Incorporating Technology (18th Jan)

Arithmetic skills in KS3 (start date 28th Nov)

Addressing the basic skills and understanding of numeracy in the key stage 3 years is essential for future success at GCSE. This work group will provide support for schools wishing to develop and incorporate the Rainbow Arithmetic strategy into their curriculum. Schools are offered free resources and a proven successful strategy to address the catch-up and consolidation of these skills.

[Click here for link to SYMH website and further details](#)

Addressing the new GCSE resits (start date 6th Dec)

An opportunity to work with colleagues from schools and colleges to address the issues around students re-taking the new GCSE.

The impact of the new curriculum on existing strategies will be discussed and there will be the opportunity for reflecting and reviewing the issues around successful practices as well as sharing and trialling resources.

[Click here for link to SYMH website and further details](#)

Mathematical thinking and the new GCSE (start date 7th Dec)

Developing this element of the curriculum that underpins much of what is taught has been a challenge for many schools. This work group aims to address the issues that teachers can sometimes find frustratingly difficult to engender in their learners but is increasingly essential for learners to develop if they are to realise their potential.

[Click here for link to SYMH website and further details](#)

Hard to teach GCSE topics (NB new start date in Rotherham)

Strategies and resources will be freely shared and whilst there will be an element of “quick wins” considered, the longer term implications for learning at KS3 will also be reviewed. There are three work groups across the region starting

Barnsley (4th Dec)

Sheffield (5th December)

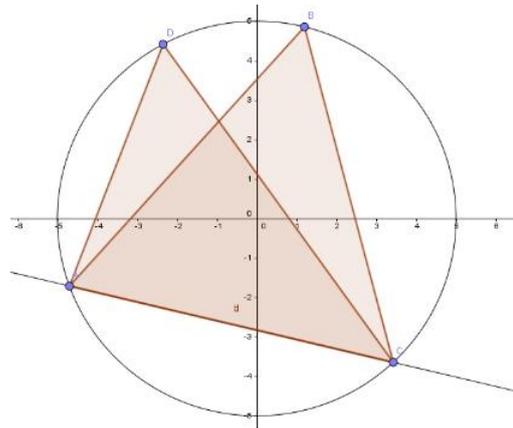
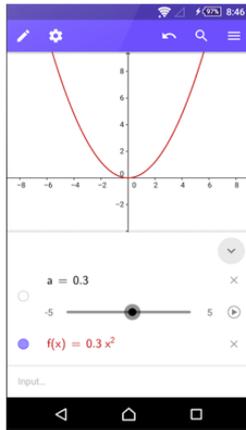
Rotherham (12th December)

[Click here for link to SYMH website and further details](#)

Using Technology in the classroom (New start date 18th January Sheffield)

NB there will be a further Doncaster based cohort later in the year.

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



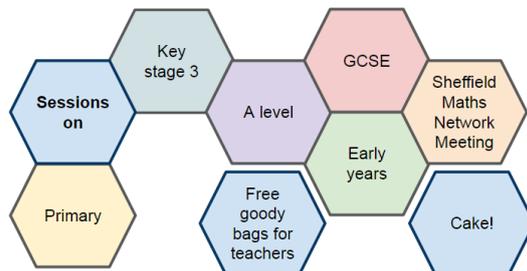
This will include resource development and trialling ideas out in the classroom followed by collaborative reflection and review. In particular the use of Geogebra as a tool for graphing, geometric modelling and a statistical analysis is investigated.

[Click here for link to SYMH website and further details](#)

Sheffield Maths TeachMeet

Tuesday 28th November 2017 Longley Park 6th Form College, Horninglow Road, S5 6SG

A TeachMeet is an organised but informal meeting for teachers to share good practice, practical innovations and personal insights in teaching.



Registration and refreshments from 3:30

4:15-5:00 First session

5:15-6:00 Second session

6:00 Lightning talks

6:30 Finish and off to the pub for some food, puzzles, games and crafts organised by Sheffield Maths Jam

@LongleyMaths #SheffMathsTM

Book your place by emailing Jenny.Hughes@Longleypark.ac.uk

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