

## **SYMH Secondary Update**

### **December 2018**

*With the end of term approaching fast, this newsletter may be one to put off until a less hectic time, BUT please be aware that some of the advertised opportunities for example the China Showcase lessons in particular are filling up fast!*

*Best wishes.*

*Pete*

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

#### **Contents**

**China exchange showcase lessons**

**Work groups opportunities in 2019**

*Y5-8 continuity*

*Challenging topics at GCSE*

*Using technology at A level*

*Teaching Core Maths*

*Teaching A level Maths*

**Developing new to career teachers**

**Maths Inspiration Events**

**Education Festival June 2019**

## **China Exchange Showcase Lessons**

We are delighted to welcome our Shanghai secondary visitors this January to be hosted by Hungerhill School, Doncaster, DN3 2JY

There are two open showcase events available for local colleagues to attend.

Wednesday 23<sup>rd</sup> January 11:30 – 3 pm

Thursday 24<sup>th</sup> January 8:00 – 11:30am

To book a place at either of these events please email [admin@symathshub.org.uk](mailto:admin@symathshub.org.uk) indicating your school name, the names of the teachers and which date you would like to attend.

## **Local work groups opportunities starting in 2019**

**Please note that all work groups are FREE to teachers in state funded schools**

### **Year 5-8 continuity**

An opportunity for Primary & Secondary colleagues in the Doncaster area to work together in a work group that focuses on the learning of the essential concept of Multiplicative Reasoning & Proportion. Participants will share and reflect on the learning journey of pupils as well as compare and contrast their classroom activity with an aim to develop consistent approach through collaborative lesson design.

For further details and details of arrangements, please contact

Sarah Gwynn at Hungerhill School

[Gwynn.S@hungerhillschool.com](mailto:Gwynn.S@hungerhillschool.com)

Start date 14<sup>th</sup> January

### **Addressing challenging topics at GCSE**

A repeat of a successful work group run in 2017/8. This series of workshops enables colleagues to reflect upon and develop strategies for topics that may appear to be more difficult for pupils to learn.

As in all work groups this will be a collaborative effort and involve teachers engaging in classroom activity and constructive reflections.

For further details and details of arrangements, please contact

Sarah Gwynn at Hungerhill School

[Gwynn.S@hungerhillschool.com](mailto:Gwynn.S@hungerhillschool.com)

Start date 17<sup>th</sup> January

### **Regional work groups starting in 2019**

#### **Using technology in the new A level**

This work group will explore the practical approaches for embedding the use of technology into the A level Mathematics (and Further Mathematics) curriculum. Participants will explore when, where and how to use technology to enhance students' learning, understanding and experience as well as developing their own technology skills.

As in all work groups this will be a collaborative effort and involve teachers engaging in classroom activity and constructive reflections.

For further details of each session and to book a place please email ..

Laura Brown at [L.Brown@highstorrs.sheffield.sch.uk](mailto:L.Brown@highstorrs.sheffield.sch.uk)

Venue: Outwood Conference Centre, Doncaster, DN6 7EQ

9<sup>th</sup> January, 27<sup>th</sup> February, 27<sup>th</sup> March, 8<sup>th</sup> April, 22<sup>nd</sup> May, 26<sup>th</sup> June

### **Teaching Core Maths**

This work group is appropriate for those teachers planning to start teaching Core Maths or who have recently begun teaching Core Maths. Participating teachers will develop their practice to effectively teach mathematical concepts and processes through contextualised problem solving and so embed the Core Maths culture within their own departments.

As in all work groups this will be a collaborative effort and involve teachers engaging in classroom activity and constructive reflections.

For further details of each session and to book a place please email

Andy Barker at [Abarker@ecgbert.sheffield.sch.uk](mailto:Abarker@ecgbert.sheffield.sch.uk)

Venue: Outwood Conference Centre, Doncaster, DN6 7EQ

24<sup>th</sup> January, 7<sup>th</sup> February, 28<sup>th</sup> February, 25<sup>th</sup> April

Sessions will run from 2:30 – 5:30 pm

### **Teaching A level Maths**

This work group is for experienced teachers and leaders of KS5 maths. It will address pedagogical challenges in the new A level and allow attendees to work collaboratively in order to address them.

West Yorkshire Maths Hub is running this work group in partnership with the Advanced Mathematics Support Programme. For more information, follow [this link](#)

## Development of new to career teachers



### The Wipro Teacher Fellow and Teacher Mentor Programme

#### Collaboration, enquiry, innovation and trust: Professional learning for teachers of STEM subjects

The Wipro Teacher Fellow and Teacher Mentor Programme is an evidence-based, individualised programme of professional learning designed to improve teachers' confidence, motivation and capability.

Over 18-24 months, Teacher Fellows will collaborate with expert colleagues, Wipro Teacher Mentors and each other to:

- improve their subject and pedagogical knowledge
- develop, trial and evaluate innovative ways of teaching their subject
- deepen their understanding of teaching through curriculum development and research
- Carry out a long-term enquiry into their practice, with optional accreditation at MA level.

- Mathematics
- Physics
- Design & technology
- Engineering
- Computer Science
- Chemistry
- Biology

**The schools of all Fellows receive a bursary of £3400 to support their participation.**

For more information, please contact Emily Perry [e.perry@shu.ac.uk] or go to <http://tiny.cc/wiproteacherfellow>.

Maths Inspiration Events

MATT PARKER & ROB EASTAWAY PRESENT:  
A FESTIVAL OF MATHS FOR SIXTH FORMERS



**BIRMINGHAM**  
NEW ALEXANDRA THEATRE  
TUE 29 JAN 2019 | 10.30AM - 4.00PM

**LONDON**  
CENTRAL LONDON THEATRE TBC  
TUE 5 FEB 2019 | 10.30AM - 4.00PM

▶ **FEATURING** ◀

 <b>MATT PARKER</b> STAND-UP MATHEMATICIAN	 <b>ROB EASTAWAY</b> BEST-SELLING MATHS AUTHOR	 <b>HANNAH FRY</b> TV STAR & UCL MATHS LECTURER	 <b>DAVID ACHESON</b> GUITAR-PLAYING MATHS AUTHOR
	 <b>BEN SPARKS</b> MATHEMATICIAN AND MUSICIAN	 <b>JAMES GRIME</b> INTERNET MATHS PHENOMENON	 <b>PLUS MORE!</b>

For further details including prices see [MATHS-FEST.COM](http://MATHS-FEST.COM)

## Festival of Education 14th-15th June 2019



The Sheffield Institute of Education is hosting the first Festival of Education in Sheffield at Hallam University's city centre campus on Friday 14<sup>th</sup> and Saturday 15<sup>th</sup> June 2019.

For the latest information visit [www.hallamedfest.org.uk](http://www.hallamedfest.org.uk)

### South Yorkshire Maths Hub Primary 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](mailto:admin@symathshub.org.uk)

#### Data Privacy

As part of our role in leading the South Yorkshire Maths Hub, Notre Dame collects and hold a certain amount of data about individuals involved in our work.

#### Engagement in work groups

The data includes name, role (with respect to hub work), school, email address, NCETM username and (in some cases) telephone number. The agreement between us and the Department of Education requires us to monitor and evaluate our work as a Maths Hub, and this is the legal basis for the data that we hold, on, for example, participation in the Work Groups that we coordinate. Such data is reported on a regular basis to the NCETM and shared with those individuals and organisations who are providing Maths Hub Leadership in our region (for example running work groups) to enable them to communicate with participants. In addition, we use this data to keep in touch with you on professional development opportunities and related matters.

This data will be retained for the duration of the activity of the South Yorkshire Maths Hub.

#### Newsletter registration

We collect and hold data of individuals who have registered to receive e-newsletters we send as part of our role in coordinating the South Yorkshire Maths Hub. The data includes name, school and email address. This data is used solely for distribution of newsletters and Hub related communication and is not shared. Personal data held for the distribution of newsletters will be retained until such point that you contact us to request that we remove your data from this list.

If you have any questions or concerns around our privacy policy please contact [admin@symathshub.org.uk](mailto:admin@symathshub.org.uk) or [data@notredame-high.co.uk](mailto:data@notredame-high.co.uk)