

VOL. 4 | AUTUMN 2021

HUB HAPPENINGS!



COLLABORATE ● ENGAGE ● INSPIRE



OVERVIEW:

Welcome to our Autumn Newsletter

Welcome back for 2021/22

There are lots of exciting things happening across the Hub, with a wide range of CPD available right through from Early Years to Post 16.

This year our programmes will be blended combining both online and face to face meetings.

For more information, check out our website:

www.sussexmathshub.co.uk

or visit the NCETM on:

www.ncetm.org.uk

- Welcome back – Introducing our new Maths Hub Team
- What's happening in 2021/2022:
 - Projects and Work Groups Overview
 - Secondary Teaching for Mastery Development
 - Secondary Non Specialist Teacher Programme
- Webinar: Steering the Ship Towards the 'Golden Thread' – Collaborative Planning using the latest Curriculum Prioritisation materials from the NCETM



Dear Colleagues

A warm welcome at the start of this new academic year. We hope you've all enjoyed your summer, and are as excited as we are to start a new term!

We've had a few changes to our team this year. At the end of July we said goodbye to Jo Stedman, our Maths Hub Lead. We thank her for all her amazing work over the years with the Hub and wish her the best of luck in her next new challenge.

This year, the Maths Hub Lead role is being shared by some familiar faces, **Jenny Stratton** and **Miriam Rhine** for our Primary Team. We are also really pleased to introduce a new face to our Hub, **Gill Leahy**, our Maths Hub Lead for Secondary and Post 16, who comes to us from the London Thames Hub and brings with her a wealth of knowledge and enthusiasm!

We can't wait to get started, and we hope you'll join us on one of the many projects we'll be running throughout the year.

The Sussex Maths Hub Team

INTRODUCING THE MATHS HUB TEAM



Keith Perera
Senior Leadership Link



Dani Chapman
Project Coordinator



Tisha Davis
Administrator



Jenny Stratton
Maths Hub Lead
(Primary)



Miriam Rhine
Maths Hub Lead
(Primary)



Gill Leahy
Maths Hub Lead
(Secondary & Post 16)



Sally Barker
Assistant Maths Hub Lead
(Primary)



Laura Morton
Assistant Maths Hub Lead
(Primary)



Jade Clifford
Assistant Maths Hub Lead
(Primary)



Deb Friis
Assistant Maths
Hub Lead
(Secondary)



Sarah Markham
Assistant Maths
Hub Lead
(Secondary)



Matt Hine
Assistant Maths
Hub Lead
(Secondary)



James Bashford
Assistant Maths
Hub Lead
(Post 16)





PROJECTS & WORK GROUPS 2021/22

EARLY YEARS  PRIMARY  SECONDARY  POST 16 

MASTERY SPECIALIST TRAINING PROGRAMME	 
<u>NCETM PROFESSIONAL DEVELOPMENT LEAD PROGRAMMES</u>	   
NCETM SCHOOL DEVELOPMENT LEAD PROGRAMME	   
<u>MASTERING NUMBER WORK GROUPS</u>	 
MASTERY READINESS WORK GROUPS	
TFM DEVELOPMENT WORK GROUPS	 
TFM EMBEDDING WORK GROUPS	 
TFM SUSTAINING WORK GROUPS	 
<u>SECONDARY SUBJECT LEADERSHIP WORK GROUPS</u>	
<u>SECONDARY MATHS MAT LEADS: LEADING AND DEVELOPING MATHEMATICS TEACHING</u>	
<u>YEARS 5-8 CONTINUITY WORK GROUPS</u>	 
<u>SUPPORTING POST-16 GCSE RESIT WORK GROUPS</u>	
<u>DEVELOPING CORE MATHS PEDAGOGY WORK GROUPS</u>	
<u>A-LEVEL PEDAGOGY WORK GROUPS</u>	
STRENGTHENING PARTNERSHIPS WITH ITT PROVIDERS WORK GROUPS	
SPECIALIST KNOWLEDGE FOR THE TEACHING OF MATHEMATICS PROGRAMMES (TEACHERS)	 
SPECIALIST KNOWLEDGE FOR THE TEACHING OF MATHEMATICS PROGRAMMES (TEACHING ASSISTANTS)	
<u>SPECIALIST KNOWLEDGE FOR THE TEACHING OF MATHEMATICS PROGRAMMES (EARLY CAREER TEACHERS)</u>	 
<u>SPECIALIST KNOWLEDGE FOR THE TEACHING OF MATHEMATICS PROGRAMMES (NON SPECIALIST TEACHERS)</u>	

For full details of all our Projects, visit our website:
<https://www.sussexmathshub.co.uk/about-us/our-projects/>

SECONDARY TEACHING FOR MASTERY: DEVELOPMENT PROGRAMME



WHAT IS INVOLVED?

Secondary maths teachers whose schools want to introduce and embed teaching for mastery can nominate two teachers (Mastery Advocates) to join a Work Group.

You will be part of a locally-based group of teachers who meet regularly to develop professional knowledge and expertise, as well as receiving bespoke support.

In a Teaching for Mastery Work Group you will:

- collaborate with colleagues from other local schools to share best practice
- get individual school support and guidance from a local leader of maths education (LLME)
- take away ideas to help your students become more confident mathematicians, ready to tackle GCSEs and A levels
- introduce and embed teaching for mastery in your classroom and department

This opportunity is suitable for teachers with the commitment, experience and authority to lead developmental work across the department.



WHAT IS THE COST?

This project is **fully funded** by the Maths Hubs Programme so is **free to participating schools**.

Each school is entitled to a **£2000 participation grant** towards Mastery Advocate release time.

FOR MORE INFORMATION, OR TO APPLY, VISIT OUR WEBSITE:

<https://bit.ly/3nElrqa>

SKTM: SECONDARY NON-SPECIALIST TEACHERS



WHAT IS THE COST?

The SKTM – Secondary Non-specialists project is **fully funded** by the Maths Hubs Programme so is **free to participating schools**

FOR MORE INFORMATION, OR TO APPLY, VISIT OUR WEBSITE:

<https://bit.ly/3Ej3ar1>

WHAT IS INVOLVED?

This project is designed to support non-specialist teachers teaching maths in a secondary school in developing specialist knowledge for teaching mathematics, thus enabling them to understand, teach and support students in maths in the classroom.

A non-specialist teacher of mathematics is 'a teacher that is currently teaching some mathematics who has not undertaken initial teacher training (ITT) in mathematics'. The programme is aligned to the NCETM teaching for mastery pedagogy and is based on six key themes:

- Structure of the number system
- Operating on number
- Multiplicative reasoning
- Sequences and graphs
- Statistics and probability
- Geometry.

Participants will explore these themes, supported by an experienced secondary practitioner.

STEERING THE SHIP TOWARDS THE 'GOLDEN THREAD'



Collaborative planning using the latest Curriculum Prioritisation materials from the NCETM

On Monday 13th September Kate Mole (London SW) joined the team from Sussex and Matrix Maths Hubs as guest speaker to share her insights into how to best navigate the new curriculum prioritisation materials from the NCETM.

Participants joined us from Hertfordshire to Hastings and Bognor to Slough as we were taken on a really informative guided tour by Kate of how to make the materials work for us in school to provide the very best experiences for children. This recently released guidance brings together the Ready to Progress non-statutory guidance with the existing Professional Development Spines (with all their detailed teacher notes and animated PowerPoints) and links them both with a really helpful yearly overview map.

Here is a summary Kate shared on the collaborative planning process:

- Read the teacher guidance/look at the PowerPoint slides
- Summarise the learning from each step - are there any points to clarify, terms to define, representations to explore?
- What do you want children to notice? How will you draw their attention to this through questioning?
- How will you let them explore and find the mathematics and then bring them back in (kite approach)?
- When is it appropriate to share the LO? If you reveal it at the start will you give the learning away? Will it be meaningful?
- Notice: prior learning prompts, use of representation, language suggestions (stem sentences/generalisations to add to slides), difficult points, opportunities for depth, independent practice activities (dong nao jin - challenges)
- What context(s) could expose the structure of the concept?
- Going beyond the slides: which concrete representations could be used - when and how? Opportunities for teacher modelling - whiteboard, visualiser? Opportunities for children to be active - partner talk/tasks, white board work

Kate reassured everyone that by going through this collaborative process there are huge gains to be made in terms of supporting subject knowledge and exploring pedagogy. It was good to hear that even colleagues who had initially found the whole package a little daunting, were now huge converts to this approach once they had 'found their groove.'

It was clear to the panel that our participants felt the session had hit the right notes and here is some of the feedback colleagues shared:

- "Thank you so much for such an inspirational training session"
- "Thank you so much. So relevant and useful and definitely food for thought and lots of pointers."
- "Thank you all! Another fantastic webinar led by the mathshub which has been inspiring to all."
- "That was very thought provoking!"
- "So helpful, supportive and useful."

WANT TO CATCH UP?

If you missed the session or would like to share it with colleagues as part of a staff meeting, then please visit our Sussex Maths Hub blog page on our website to view a recording of the session.

<https://www.sussexmathshub.co.uk/webinar-golden-thread/>

HUGE THANKS TO KATE MOLE FOR HER TIME AND COLLEAGUES AT MATRIX MATHS HUB FOR THEIR SUPPORT.

Article by Jenny Stratton - Deputy Head Westdene Primary School - Maths Hub Lead (Primary)

