

# Primary: Specialist Knowledge for Teaching Maths Programme

## OUTLINE

This project is designed to support primary teachers in developing specialist knowledge for teaching mathematics, thus enabling them to understand, teach and support pupils in maths in the classroom.

## DETAILS

### WHAT IS INVOLVED?

- After an introductory session which sets the scene for the current maths teaching landscape this programme is based around the four core primary modules; number sense, additive reasoning, multiplicative reasoning and fractions.
- The programme will run over 4 days and will likely be a blended approach of face to face and online elements.

### WHO CAN APPLY?

- This programme is designed for teachers who would like to further develop their specialist knowledge for teaching maths.
- It will be particularly relevant for NQTs/RQTs, teachers that have moved phases or teachers that have not received maths-specific training.

### WHAT ARE THE EXPECTATIONS?

- Participants and their schools must be able to commit to the full academic year's programme. This is likely to involve some face-to-face activity alongside online collaboration.
- During the programme, participants will be asked to undertake tasks with learners to deepen their thinking about the learning of maths, and to share this with colleagues. It is asked that school leaders support their staff to complete this work.

### COVID RECOVERY

The school year 2020/21 will be substantially affected by the impact of the coronavirus outbreak. The knock-on effects on school life and teachers' working lives can't be predicted with any certainty. So, all Maths Hubs work will be flexible and adapt to changing realities. There's likely to be more live online collaboration, often including use of video, for example. In addition, Work Group content will be adjusted to address schools' recovery from coronavirus-related disruption alongside work on the central maths subject matter of each project.

### WHAT IS THE COST?

The SKTM - Primary programme is fully funded through the East Midlands East Maths Hub so is free to participating schools.


### WHO IS LEADING THE WORK GROUP?

The Work Group lead will be Emma Rowbottom - Sturton Primary School, NCETM Accredited PD Lead.

### HOW TO APPLY

 [www.ememathshub.org](http://www.ememathshub.org)

 [enquiries@ememathshub.org](mailto:enquiries@ememathshub.org)

 01636 817 377

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## ADDITIONAL INFORMATION

### INTENDED OUTCOMES

Participants and their schools will:

- Enhance their maths subject knowledge with an emphasis on the key structures in each mathematical area covered.
- Understand the key elements that form number sense, forms of addition and subtraction, forms of multiplication and division, and forms of fractions, including precise language, structures and representations.
- Review their practice as a result of the sessions and make specific adaptations to impact on pupil outcomes.

### THE WIDER CONTEXT

It has long been recognised that maths teaching is enhanced when teachers are confident about the subject matter. Maths Hubs work with a range of partners to ensure there is effective professional development of new maths teachers in schools so they have the specialist knowledge required to support the learning of maths. This project is offered to impact on developing subject and pedagogical knowledge for all practitioners teaching and supporting the learning of maths.

### SESSION DETAILS

Sessions are full days and will be provided online for the foreseeable future (exact times to be confirmed):

Wednesday 13th January 2021

Tuesday 23rd February 2021

Tuesday 21st April 2021

Wednesday 26th May 2021