

Primary Mathematics

Subject Knowledge Enhancement



OVERVIEW: There is more to subject knowledge than being able to do the maths yourself. The Primary Subject Knowledge Enhancement (SKE) Work Group develops primary teacher's mathematical subject knowledge so they can understand, teach and support pupils effectively. A key focus is not only improving the participant's ability to 'do' maths but also to ensure they have the appropriate pedagogical knowledge to teach their pupils well. The Work Group will explore maths in depth, making connections between topics and concepts. Participants will also work collaboratively, led by local leaders of maths education (LLME) to develop deep and secure subject knowledge and appropriate pedagogy.

WHO IS IT FOR?

The course is suitable for all primary teachers who wish to improve their maths subject knowledge.

Please note:

We will also be running a separate Early Years SKE. Further details will be published shortly.

WHAT IS INVOLVED?

- Five face-to-face days covering the following topics: Number - Addition/Subtraction, Multiplication/Division, Fractions, Algebra, Measurement, Statistics, Reasoning with Geometry, Teaching for Mastery
- Independent study and setting-based work including gap tasks and evaluation
- Online discussion as part of a professional community

INTENDED OUTCOMES

Participants will not only be able to 'do' mathematics but will also have the appropriate pedagogical knowledge to teach their pupils well. Teachers will develop both their knowledge about mathematics and knowledge about the teaching of mathematics, developing better pedagogy and being aware of how pupils learn and how to teach the content most effectively.

Classroom practice will develop through participants' engagement with gap tasks between meetings, trying out activities with their pupils to promote understanding, reasoning and fluency. Planning for teaching, learning and assessing will also be improved.

THE WIDER CONTEXT

Collectively, the network of Maths Hubs across England work on projects around national maths education priority areas. One of those priorities requires Maths Hubs to provide high quality training in teacher subject knowledge in mathematics, and to ensure that pedagogy is closely linked with subject knowledge. Each Maths Hub participating in a national project runs a local Work Group, where teachers come together over a period of time to work on areas defined by the project. All Work Groups are subject to a common evaluation process, which collectively provides a body of evidence on the project's outcomes. So, your participation in this Work Group will contribute to your own professional learning, and that of your school colleagues, as well as making a contribution to the improvement of maths education at a national level.

EXPECTATIONS OF PARTICIPANTS AND THEIR SCHOOLS

Participants are expected to be working as classroom teachers. All participants are expected to attend all the sessions and complete gap tasks in their schools between the sessions. They will also be asked to keep a learning log for their own use and contribute to the national evaluation process, probably through a short online survey after the Work Group has finished. It is imperative that teachers are released to attend all of the sessions.

WHO IS LEADING THE WORK GROUP

This Work Group will be run by Emma Rowbottom, Numeracy Leader, Sturton C of E Primary School

FUNDING

The programme will be fully funded through the East Midlands East Maths Hub, however there will be a £15 per session fee for non-attendance to cover costs.

VENUE / TIME

The Minster School
Nottingham Road
Southwell, Notts, NG25 0LG

All sessions are 9.30am-3.30pm

DATES

Wednesday 27th November 2019
Tuesday 4th February 2020
Tuesday 17th March 2020
Tuesday 5th May 2020
Tuesday 23rd June 2020

IF I'M INTERESTED, WHAT NEXT?

To reserve your place, please use the link below to our online booking system. For further information, please contact Julie Naidu, Maths Hub Coordinator, enquiries@ememathshub.org tel: 01636 817 377.

BOOK NOW