Specialist Knowledge for Teaching Maths (SKTM) – Primary Programme

Maths Hubs Network
Collaborative Projects 2020/21
NCP20-24

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.

HOW TO APPLY

Apply: www.solentmathshub.org.uk

Email: info@solentmathshub.org.uk

DETAILS

What is involved?

The programme is based on four core primary modules:

- Number sense
- Additive reasoning
- Multiplicative reasoning
- Fractions.

An additional module offers an introduction which sets the scene for the current maths teaching landscape. Depending on the structure of the programme at a local level, the time commitment will be equivalent to three or four days.

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 is the cost?

The SKTM – Primary programme is **fully funded** by the Maths Hubs Programme so is **free** to participating schools.

BENEFITS

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.

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.

Specialist Knowledge for Teaching Maths (SKTM) – Primary Programme

Additional Information

Maths Hubs Network
Collaborative Projects 2020/21

NCP20-24

MATHSHUBS SOLENT

THE WIDER CONTEXT

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

EXPECTATIONS OF PARTICIPANTS AND THEIR INSTITUTIONS

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.

WHAT IS A WORK GROUP?

A Work Group is a group of teachers or teaching assistants from a number of schools working together with a knowledgeable other (the Work Group Lead). All of our Work Groups have been developed with an action research model in mind. This means that they are collaborative, involve gap tasks and individual study and an opportunity for all participants to share. The Work Group lead often assumes the role of facilitator for these discussions rather than 'expert' disseminating information.

WORK GROUPS LOCATION & DATES

Group 1:
Session 1: Wednesday 10th February
Session 2: Wednesday 24th March
Session 3: Wednesday 19th May
Session 4: Wednesday 23rd June

Group 2:
Session 1: Thursday 11th February
Session 2: Tuesday 23rd March
Session 3: Tuesday 18th May
Session 4: Tuesday 22nd June

All sessions will run from 15:30 – 17:30 via Zoom.

LEADING THE WORK GROUP

The Work Group Lead will be Jane Jones, who is an undergraduate Primary Mathematics Subject Leader at The University of Winchester.

NCETM NATIONAL CENTRE FOR EXCELLENCE IN THE TEACHING OF MATHEMATICS

MATHSHUBS SOLENT