

Specialist Knowledge for Teaching Maths (SKTM) – Teaching Assistant Programme

Maths Hubs Network
Collaborative Projects 2020/21

NCP20-25



OUTLINE

This project is designed to support teaching assistants (TAs) 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.originmathshub.tgacademy.org.uk

Email:

office@originmathshub.tgacademy.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.

What is the cost?

The SKTM – Teaching Assistant 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.

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Additional Information

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.

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THE WIDER CONTEXT

It has long been recognised that maths teaching is enhanced when the staff are confident about the subject matter. Maths Hubs work with a range of partners to ensure there is effective professional development of those supporting the delivery of maths 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.

WHO CAN APPLY?

These programmes are designed for TAs who are supporting maths, and who would like to develop their specialist knowledge for teaching maths. This may be particularly relevant for new TAs or TAs that have not received maths-specific training.