

Specialist Knowledge for Teaching Mathematics for Primary Teaching Assistants

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

What is involved?

The programme will focus on the following mathematical areas:

What is effective in the learning and teaching of mathematics?

- Number sense (part 1)
- Number sense (part 2)
- Additive reasoning
- Multiplicative reasoning
- Fractions.

These modules are each designed to last three to four hours, but may last longer if delivered online. This programme will take place across the equivalent of four days.

This programme is led by Vicky Barnes who is a member of our strategic board and a school improvement officer for Sunderland. Vicky brings a wealth of experience and expertise as a Professional Development Lead and a member of our Local Leaders of Maths Education (LLME) community.

As a Work Group, this programme encourages participants to work collaboratively to deepen their subject knowledge and develop practice through the supportive learning community. Participants will be expected to use what they learn by trying it out in their own practice and reflecting on its impact.

"[I've had] the confidence boost that even though I hated maths, it wasn't my fault and that I can really provide an excellent mathematics foundation for the children I work with so they can move forward confidently."

Who can take part?

This programme is designed for primary teaching assistants who are supporting maths, and who would like to develop their specialist knowledge for teaching maths. It will be particularly relevant for new TAs or TAs that have not received maths-specific training.

What are the benefits?

Participants will:

- Review their practice as a result of the sessions and make specific adaptations to support the pupils they are working with
- 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.

"I would just like to thank [Vicky Barnes]. She was friendly, helpful, welcoming and warm and honestly made me feel like I could provide these children with an amazing skill."

Covid-19 Recovery

Many positive lessons were learnt from online collaboration during Maths Hubs activity in 2020/21. These will be built upon in 2021/22. As the impact of the pandemic hopefully recedes, the result for our work will be a blend of face-to-face activities and frequent online collaboration.

Information for Head Teachers

Participants are required to commit to 4 days (or equivalent) of training across the academic year. Training will be a blended model with some face-to-face and some online learning sessions. There is no charge to schools as this programme is fully funded.

More questions?

Our Deputy hub lead Lindsey Hassan will be more than happy to discuss this with you, or answer any questions that you may have. Please get in touch to arrange a meeting: greatnorthmathshub@gmail.com

How do I register?



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