

# Specialist Knowledge for Teaching Maths (SKTM) – Early Years Programme

Maths Hubs Network  
Collaborative Projects 2020/21

NCP20-23



## OUTLINE

This project is designed to support Early Years teachers in developing specialist knowledge for teaching mathematics, thus enabling them to understand, teach and support pupils with their mathematics across the provision.

## HOW TO APPLY

Apply: [www.lcwmathshub.co.uk](http://www.lcwmathshub.co.uk)  
[Expression of Interest Form](#)

Email: [michelle.foster@lcwmathshub.co.uk](mailto:michelle.foster@lcwmathshub.co.uk)

## DETAILS

### Who can apply?

This programme is designed for individuals who would like to develop their specialist knowledge for teaching maths to three to five years olds. This may be particularly relevant for NQTs, teachers that have moved phases or teachers that have not received maths-specific training.

If your school is currently more focused on preparing for teaching for mastery, you may want to consider engaging with the Building Firm Mathematical Foundations in Reception project. Ask your local Maths Hub for more details.

## BENEFITS

Participants and their schools will:

- ✓ develop enhanced maths subject knowledge with a particular emphasis on developmental progression in the Early Years to ensure sequences of learning are cohesive
- ✓ consider the learning opportunities and pedagogical approaches across the wider provision – reviewing and enhancing the opportunities to promote mathematical learning across the provision.

### What is the cost?

The SKTM – Early Years programme is **fully funded** by the Maths Hubs Programme so is **free** to participating schools. The Maths Hub does reserve the right to charge for non-attendance per session missed with less than 1 weeks' notice.

### 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

### The wider context

'Early Years settings and schools should invest in developing practitioners' own understanding of mathematics, their understanding of how children typically learn, and how this relates to effective pedagogy.'

- EEF Maths EY KS1 Guidance Report.

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 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 early 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.

### Your Work Group Lead

**Siobhan Gallagher** is an Early Year's teacher with experience in both nursery and reception. She is training to be a Mastery Specialist and she holds a PD Lead Accreditation with NCETM.

## Maths Hubs Network Collaborative Projects 2020/21

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- A Work Group is a professional development hub, where participants trial researched ideas and collaborate to improve EY mathematical practice

This Work Group will explore young children's conceptual development of early number skills. We will collaborate to review key themes presented in current research ideas and reflect on implications for classroom practice. Sessions will include elements that are practical and fun, capturing the essence of play-based learning.

- **Venue:** Charville Academy, Bury Avenue, Hayes. UB4 8LF **OR on-line via Zoom**
- **Work Group Dates:**
  - Session 1:** Thursday 10<sup>th</sup> December (10-2pm on Zoom)
  - Session 2:** Thursday 21<sup>st</sup> January (10-2pm on Zoom)
  - Session 3:** Thursday 11<sup>th</sup> March (either 9-3:15 at Charville or 10-2pm on Zoom – TBC nearer the time)

- Results and successes will be shared with the group, fostering a collegiate learning environment. Our Work Group aims to develop professionals' mathematical subject knowledge in conjunction with understanding the pedagogy that underpins the teaching of it.

