

## Work Group Purpose

The purpose of the programmes in this project is to support primary teachers in developing specialist knowledge for teaching mathematics, thus enabling them to understand, teach and support pupils in the maths classroom.

This is a continuation of 2019/20 programme where core materials were shared, trialled and evaluated.

The programme is based on four core primary modules:

- Number sense
- Additive reasoning
- Multiplicative reasoning
- Fractions

These modules are each designed to be delivered over three hours. This year an additional module has been developed as an introduction (two hours), which sets the scene for the current maths teaching landscape.

Additional materials for each module are also available that focus on progression. The modules are expected to be integral to the design of the SKTM programme. Depending on the additional modules selected, this programme will last three or four days.

## Specialist Knowledge for Teaching Mathematics Primary Programme

It has long been recognised that maths teaching is enhanced when the teachers are confident about the subject matter.

Seabourne's work over the period of 2004-06 found that Subject Knowledge Enhancement (SKE) courses led to 'improvements in subject knowledge, attitude, understanding and confidence'.

Gibson, O'Toole, Dennison & Oliver's (2013) report on SKE courses across all subjects in which SKE is offered finds that levels of subject knowledge and confidence in the subject are dramatically enhanced on completion of SKE course.

Maths Hubs work with a range of partners to ensure there is effective professional development of new teachers of maths in primary and secondary schools (and other maths classroom practitioners), so that they have the specialist knowledge required to support the learning of maths. This includes working with relevant partners to develop and/or deliver in-service specialist knowledge for teaching maths (SKTM) programmes for practitioners in primary and secondary schools. Therefore, 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 should apply?

These programmes are designed for teachers who would like to further develop their specialist knowledge for teaching maths. They will be particularly relevant for NQTs/RQTs, teachers that have moved phases or teachers that have not received maths-specific training.

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