

Specialist Knowledge for Teaching Mathematics -

Primary Early Career Teachers

Maths Hub Network
Collaborative Projects 2021/22

NCP21-28



Working with
NCETM
NATIONAL CENTRE FOR EXCELLENCE
IN THE TEACHING OF MATHEMATICS

Outline

This project is designed to support primary early career teachers (teachers in their first two years of teaching) in developing specialist knowledge for teaching mathematics, thus enabling them to understand, teach and support pupils in maths in the classroom.

This Work Group will be a blended mix of online and face to face workshops, beginning in the Autumn term of 2021. This is a two-year offer.

Details

Who can take part?

This programme is designed for primary early career teachers; NQTs and RQTs (those in their first or second year of teaching).

What is involved?

At a local level, Work Groups will explore one of the following themes:

- designing effective learning and teaching in maths (building early number concepts)
- designing effective learning and teaching in maths (additive reasoning)
- designing effective learning and teaching in maths (multiplicative reasoning).

Participants in their first year will work deeply on effective learning and teaching in one area of maths; drawing in the associated pedagogy. Activities will include lesson analysis and lesson design.

The workshops for this programme will take place across the equivalent of **four days each academic year with activities undertaken in school to support the development of the participant.**

What is the cost?

The SKTM – Primary Early Career Teachers project is **fully funded** by the Maths Hubs Programme so is **free to participating schools**. *See Terms and Conditions of Booking.

What are the benefits?

Participants will:

- ✓ plan and teach a carefully sequenced and coherent area of maths
- ✓ appreciate the key ideas underpinning the area of maths being taught
- ✓ understand key principles and approaches associated with teaching for mastery
- ✓ understand approaches to assess pupils' prior learning, so that learning sequences take this into account
- ✓ make appropriate use of representations to expose the structure of the maths being taught.

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 Maths Hubs work will be a blend of face-to-face activities and frequent online collaboration.



The wider context

'Teachers deserve high quality support throughout their careers, particularly in those first years of teaching when the learning curve is steepest... However, too often, new teachers have not enjoyed the support they need to thrive, nor have they had adequate time to devote to their professional development. The Early Career Framework (ECF) underpins an entitlement to a fully-funded, two-year package of structured training and support for early career teachers linked to the best available research evidence.' *ECF (Jan 2019)*

This project aims to offer high quality maths support for early career teachers, recognising the requirements of the ECF and the impact of Covid on their ITT experience. The ECF underpins what all early career teachers should be entitled to learn about and learn how to do based on expert guidance and the best available research evidence. As is the case for other professions, areas covered in initial training will be covered in greater depth as part of induction as teachers continue their journey to becoming experts. The work in this project will be in line with this, with an emphasis on standards 2, 3 and 4.

Expectations of participants and their schools

Participants and their schools must be able to commit to the full academic year's programme. The workshops for this programme will take place across the *equivalent* of four days each academic year with activities undertaken in school to support the development of the participant.

About the Hub

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[Boolean Maths Hub](#) works with schools & colleges to support the continuous improvement of mathematics education for all students in the following local authority districts: Bath & North East Somerset, Bristol, South Gloucestershire, North Somerset and Somerset. The Maths Hubs Programme is funded by the DfE and coordinated by the National Centre for Excellence in the Teaching of Mathematics.

Information for the Headteacher/Principal - *Terms and Conditions of Booking

Schools must be able to commit to the full academic year's programme. This includes attendance and active participation in the blended mix of the equivalent of four days of face-to-face/online workshops across the academic year, as well as classroom and school-based activities. School leadership must support participants to attend all workshops and, unless there are exceptional circumstances, non-attendance and/or Work Group tasks not being completed may result in a charge to the school/college of £100.

What is a Work Group? [Click here to find out](#)

Work Group locations/dates

The Work Group will be a blended mix of online and face to face workshops with activities to be undertaken in school. The Work Group will begin in the Autumn term 2021 (Dates to be confirmed).

Work Group Lead information -

To book your place on this Work Group follow the link [HERE](#)

For further information please email booleanmathshub@clf.cabot.ac.uk