

# Developing working partnerships for SEND and mathematics

## Information Sheet

IN19-NW4-01



### Overview

This programme involves mainstream and special schools working together to improve SEND provision in maths. Each Work Group will be formed from at least one special school working with a small group of mainstream schools, either primary, secondary or both, and will focus on a content area or theme – for example financial education, or deeper questioning – that is relevant to all students. Participants will explore ways to encourage reasoning and the use of manipulatives, providing a different approach to working with SEND students across mainstream and special schools. The pedagogy introduced, and any resources trialled, would support the principles of teaching for mastery.

#### Who is this for?

All teachers of mathematics at primary, secondary and special schools. Ideally teachers should have good subject knowledge and at least two years' experience in the classroom. This Work Group would also be suitable for a SENCo in mainstream schools with a strong background in mathematics.

#### What is involved?

- Afternoon sessions 1.00pm to 3.30pm at George Hastwell School, Barrow-In-Furness, Cumbria
- Thurs 16<sup>th</sup> Jan 2020
- Thurs 26<sup>th</sup> March 2020
- Thurs 18<sup>th</sup> June 2020
- Independent study and school-based work
- Online discussion as part of a professional community

### Intended Outcomes

Teachers will improve their understanding of the different areas within SEND and the pedagogy that is associated with working with these students. The sessions focus on one broad theme throughout to enable a greater understanding of the connections within mathematics, and to introduce modelling.

Classroom practice develops through a series of gap tasks where teachers try out activities to promote depth of understanding, reasoning and fluency; consequently, pupils will develop a deeper understanding of the mathematical ideas and be more confident in their mathematics.

## The wider context

Collectively, the network of Maths Hubs across England work on projects around national maths education priority areas. One of those priorities requires Maths Hubs to work in the area of subject knowledge enhancement for all teachers of mathematics, which, of course, includes those teachers working with pupils with SEND. Each Maths Hub participating in a national project runs a local Work Group, where teachers come together over a period of time to work on areas defined by the project. All Work Groups are subject to a common evaluation process, which collectively provides a body of evidence on the project's outcomes. So, your participation in this Work Group will contribute to your own professional learning, and that of your school colleagues, as well as making a contribution to the improvement of maths education at a national level.

## Expectations of participants and their schools

Participants should be working with pupils with SEND either in a mainstream school or a special school. They must be able and willing to commit to participate fully in all elements of the programme.

The participant's school must have the capacity and commitment to support them throughout the programme.

## Funding

There is no charge for teachers and schools to take part in this Work Group. All costs are met by Maths Hub funds.

## Who is leading the Work Group?

Kathryn Jamieson – Barrow-in-Furness, Cumbria

## If you're interested, what next?

Should you wish to apply for this work group please contact the NNW Maths Hub Co-ordinator [nnwmathshub.org.uk](http://nnwmathshub.org.uk)