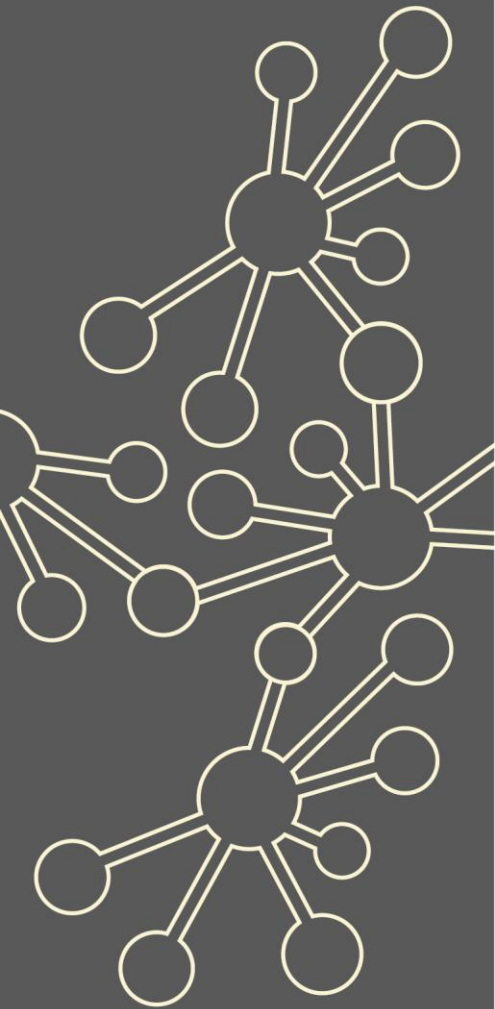


Specialist Knowledge for Teaching Mathematics – Secondary Non-Specialist Teachers

Maths Hubs Network Collaborative Projects 2021/22

NCP21-30



Outline

This project is designed to support non-specialist teachers teaching maths in a secondary school in developing specialist knowledge for teaching mathematics, thus enabling them to understand, teach and support students in maths in the classroom.

Details

What is involved?

The programme is based on six key themes:

- Structure of the number system
- Operating on number
- Multiplicative reasoning
- Sequences and graphs
- Statistics and probability
- Geometry.

Participants will explore these themes, supported by an experienced secondary practitioner.

Who can take part?

This programme is for non-specialist teachers of maths in state-funded schools who fit the following definition:

A non-specialist teacher of mathematics is a teacher in a state-funded school or college that is currently teaching some mathematics or has commitment from a headteacher/executive head to teach some mathematics within the next year, who has not undertaken Initial Teacher Training (ITT) in mathematics.

If there is sufficient space in the cohort, other teachers of maths who do not fit this definition but would benefit from this support may also participate.

What are the benefits?

Participants will:

- ✓ explore and increase their use of a range of pedagogic approaches consistent with teaching for mastery
- ✓ increase their confidence in planning for progression in maths
- ✓ improve their subject and curriculum knowledge of secondary maths with a particular emphasis on mathematical structures in key areas.

What is the cost?

The SKTM – Secondary Non-specialists project is fully funded by the Maths Hubs Programme so is free to participating schools.

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

Mathematics is a creative and highly interconnected discipline that has been developed over centuries, providing the solution to some of history's most intriguing problems. It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. A high-quality mathematics education therefore provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

- (National Curriculum)

Maths Hubs are well placed to provide training for non-specialist teachers of maths so that these teachers have the opportunity to increase their knowledge and understanding of the intentions of the maths national curriculum and develop their pedagogical skills.

Expectations of participants and their schools

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.

CODE Maths Hub: Work Group details

[CODE Maths Hub](#) provide free CPD opportunities to everyone involved in the teaching of maths in Cornwall and West Devon. We are pleased to be running this brand-new course, taking over from the successful TSST programme.

Following the successful start to our first of two cohorts of this Work Group, **CODE Maths Hub are now offering the chance to join the second cohort, starting in the Spring Term.**

We are pleased to announce that the eligibility criteria for this programme has been widened. Teaching Assistants who are responsible for some maths teaching as well as non-specialist teachers who will be teaching some mathematics in the near future are welcome to apply.

We know that joining a Work Group can be a big time commitment, so CODE will be offering several options to suit everyone's timetables. As well as offering evening sessions during term time, we will also be offering daytime sessions in the school holidays. Please see dates below:

| | |
|-------------------------------|--|
| Evening session dates: | Sessions will take place from 4:15-5:30pm online on the following days: <ul style="list-style-type: none">6th Jan, 27th Jan, 10th Feb, 3rd Mar, 24th Mar, 7th Apr, 12th May, 19th May, 9th June, 14th June, 16th June, 23rd June, 28th June, 30th June, 5th July, 7th July, 12th July, 14th July |
| School holiday session dates: | Sessions will take place from 9am-3pm online on the following days: <ul style="list-style-type: none">21st and 22nd February11th April and 12th April30th and 31st May |

Please contact the course lead, Andy Oldman, for further information: oldmana@poolegrammar.com

[Click here to express your interest by the 17th December](#)

Additional information about the course and testimonials from participants can be found on the [NCETM website](#).

