

Year 5 to 8 Continuity Work Group - Soham/Bottisham

Maths Hubs Network
Collaborative Projects 2020/21
NCP 20-17



Outline

- Work with teachers from different phases to improve communication between Key Stages 2 and 3.
- Improve continuity of learning by pupils in the four years spanning the transition from primary to secondary school.
- This Work Group will focus on representation and structure within the topic of fractions, decimals and percentages, developing a consistent approach through discussion, joint lesson design, observation and the development of more effective documentation to support continuity.

How to apply

Book at:

<https://cmh20-continuitysoham.eventbrite.co.uk>

Email:

admin@cambridgemathshub.org

Details

What is involved

- 4 half day (afternoon) workshops spread over three terms, focusing on representation and structure within the topic of fractions, decimals and percentages.
- Gap tasks between the workshops, including trialling new teaching approaches and peer observation.
- Sharing resources with others in the Work Group and colleagues in school.

Who can apply?

Year 5, 6, 7 or 8 classroom teachers who wish to develop their teaching of maths, including those who are not maths specialists. You should simply have a strong commitment to improving your teaching of maths in these year groups. Those with school responsibility for maths, such as heads of department, are welcome to participate even if not teaching a Y5-8 class but should attend alongside a colleague who is teaching a relevant class.

Participants are strongly encouraged to attend with at least one other colleague from their department. Previous participants have found attending in pairs to be invaluable and reported much greater impact in their schools. Participants from the 2019/20 Work Group are invited to continue their involvement in the programme, with the shifted focus to representation and structure. Participants from other schools in the Soham/Bottisham area are also welcome to join.

What is the cost?

The Work Group is offered free to all state-funded primary and secondary schools in England.

Benefits

- Participant teachers will gain a deeper knowledge and understanding of progression in mathematical learning between Years 5 and 8, and, in parallel, a clearer understanding of the teaching approaches and pupil experiences that best serve that purpose, particularly in the 'other' school phase.
- Participant teachers will further their experience and understanding of how consistent use of resources, representations and structures can be used to help pupils develop sound mathematical understanding.
- Teachers will develop shared approaches to planning and delivery of the mathematics curriculum across KS2 and KS3.
- Pupils will demonstrate improved confidence and engagement in maths at KS2 and KS3.

Covid Recovery

The risk of cross contamination between schools is too high for us to consider face-to-face Work Groups. Therefore, all Work Groups will take place online this year.

ADDITIONAL INFORMATION

The wider context

Collectively, the network of Maths Hubs across England work on projects around national maths education priority areas. This Work Group address two of these priorities:

- For primary pupils, within a teaching for mastery context, to develop the deep knowledge and understanding they need to be fully prepared for the secondary mathematics curriculum.
- The development of teaching for mastery in secondary schools.

There are 7 Work Groups with this focus taking place across the Cambridge Maths Hub area, and dozens more nationally. All 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

- Schools will need to commit to the release of the same nominated teacher(s) for all four workshops. Dates are given below.
- Schools will provide support for the gap tasks, including potential proving cover to allow teachers to undertake peer observations, and providing a platform for teachers to share ideas and resources from the work group in their schools.

Who is leading the Work Group?

Livia Mitson is currently a maths teacher in a secondary school, but has worked in both primary and secondary schools. She is a Secondary Mastery Specialist and took part in the Shanghai exchange in 2018. Following that she has also spent time in Ghana and Laos working with students and educators there.

Katie McDonald is a secondary maths teacher at Soham Village College in charge of STEM, enrichment and Primary transition and successfully led the 5-8 continuity group in the Soham/Bottisham area last year.

If you are interested, what next?

The Work Group will meet four times via Zoom

Dates:

Monday **7th December** 2020
Monday **25th January** 2021
Monday **15th March** 2021
Monday **14th June** 2021

Time: 2 pm – 4:30 pm

Book at <https://cmh20-continuitysoham.eventbrite.co.uk>