

Year 5 to 8 Continuity

Supporting multiplicative reasoning from Primary to Secondary



OVERVIEW: Teachers from different phases will work together, to improve communication between Key Stages 2 and 3, with the overall aim of improving continuity of learning by pupils in the four years between Years 5 and 8. Participants will take an aspect of the mathematics curriculum or a pedagogical approach as the focus for their work and develop a consistent approach to it through discussion, joint lesson delivery, observation and the development of documentation to support continuity.

WHO IS IT FOR?

The project is aimed at Key Stage 3 secondary mathematics teachers and all primary school teachers. Each Work Group will ideally consist of pairs of teachers, from linked, or neighbouring, primary and secondary schools, working together to develop a shared understanding of the teaching that gives the best chance of pupils progressing steadily in their mathematical understanding between Years 5 and 8.

WHAT IS INVOLVED?

Participants will attend 3 workshops throughout the year and will be expected to participate in gap tasks between sessions.

- Each workshop will provide an opportunity for KS2 and KS3 teachers to consider key ideas and approaches to Multiplicative Reasoning through exploring a set of researcher designed (and trialled) lessons which have extensive PD commentaries.
- This will then form the basis of a lesson study gap task which enables the involvement of the wider department.
- Subsequent workshops will provide important PD feedback opportunities on impact on learning observed in the lesson study.

INTENDED OUTCOMES

- 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 representations and structures can be used to help pupils develop sound mathematic understanding.
- Teachers will develop shared approaches to planning and delivery of the mathematics curriculum across KS2 and KS3.
- Teachers involved in the Work Group will share and disseminate good practice within their own schools and departments.

THE WIDER CONTEXT

Collectively, the network of Maths Hubs across England work on projects around national mathematics education priority areas. One of those priorities centres on primary pupils, within a teaching for mastery context, developing the deep knowledge and understanding they need to be fully prepared for the secondary mathematics curriculum. Another centres on the development of Teaching for Mastery in secondary schools.

This Work Group addresses both of these priorities. 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 mathematics education at a national level.

EXPECTATIONS OF PARTICIPANTS AND THEIR SETTINGS

Schools will be expected to release teachers so that they can attend ALL Work Group sessions and thus contribute to the success of this project.

Participants will be expected to meet between workshops to plan and carry out gap tasks. They will also be expected to share work, results of gap tasks and reflections with other members of the Work Group.

WHO IS LEADING THE WORK GROUP

This Work Group will be run by Georgie Goldstein, Minster School, Assistant Maths Hub Lead

FUNDING

The programme will be fully funded through the East Midlands East Maths Hub, however there will be a £15 per session fee for non-attendance to cover costs.

VENUE

The Minster School
Nottingham Road
Southwell
Notts NG25 0LG

DATES/TIMES

Wednesday 22nd January 2020, 12.30-5.00pm
Wednesday 11th March 2020, 12.30-5.00pm
Monday 15th June 2020, 9.00am-1.00pm

IF I'M INTERESTED, WHAT NEXT?

To reserve your place, please use the link below to our online booking system. For further information, please contact Julie Naidu, Maths Hub Coordinator, enquiries@ememathshub.org tel: 01636 817 377.

BOOK NOW