



● Maths Hub Newsletter ●



Monthly Recap

This month we have welcomed approximately 100 schools as our Primary and Secondary Teaching for Mastery Pathways have started. In addition to this, we have seen a fantastic uptake to Mastering Number who have all had their first sessions and have enjoyed communicating with the returning schools on year 2 of their Mastering Number journey.

We also welcomed back our LLME community and new community members to our first event of the year where we focused on how to evidence the impact of the fantastic work going on in the schools that we are working with.

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Opportunities still available for 2022/23

Primary

Improving the teaching of maths for children with SEND



Primary/
Secondary

Year 5 - 8
Continuity



Primary/
Secondary

Equity, 'disadvantage'
and Making Mathematical
Connections through
Teaching for Mastery



Primary

Subject Knowledge
Teaching Mathematics
- Primary ECT's
(Year 1)



Secondary

Mathematical
Thinking for GCSE



Secondary

Year 7 - 11
Coherence



Secondary

Secondary Teaching
Assistants



Secondary

Subject Knowledge
Teaching Mathematics
- Secondary ECT's
(Year 1)



Post -16

KS4 - KS5
Transition



Post -16

A Level
Pedagogy



Post -16

New to Teaching
Core Maths



Post 16 Update

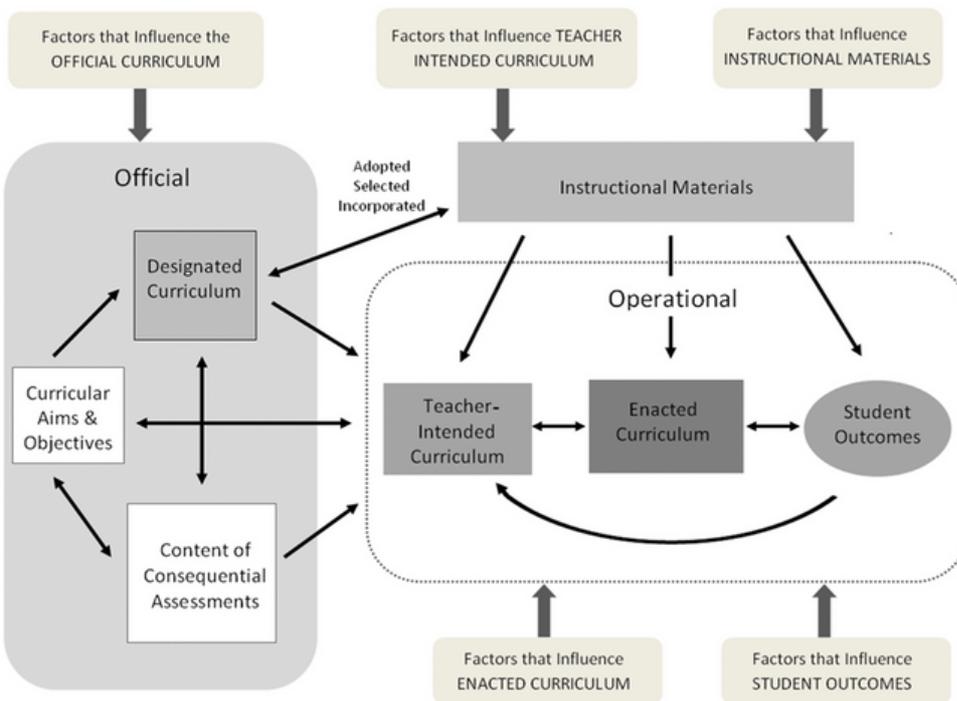
Here at the East Midlands West Maths Hub we want to support the whole breadth of Post 16 mathematics with our work groups. We have a Developing A-Level pedagogy workgroup - discussed in a bit more detail below – this has been a key workgroup for us since the beginning of the Maths Hub in some way or another. This year we are also running workgroups for teachers who are new to teaching Level 3 Core Maths and for teachers of Post 16 GCSE Resit students.

We will also have an exciting Research and Innovation work group starting in January looking at the transition from GCSE to A-Level Mathematics.

For further information and to sign up please use the links on page 2.

"My department is richer for the things that I have been able to share with them"

Developing A Level Pedagogy



Our Developing A-Level Pedagogy workgroup is always popular and is an excellent way to network with other teachers of A-Level Mathematics and Further Mathematics.

Each year there is an overarching focus to sessions which can then be shaped around the interests of the participants. Last year we looked at task design, in particular designing tasks to promote reasoning and problem solving, but which also developed links between different areas of mathematics.

This year we will be looking at Curriculum Design for A-Level Mathematics, beginning with this model of the curriculum from Remillard & Heck, 2014.

We will then work collaboratively to reflect, critique and improve our A-Level mathematics curricula and trial our ideas within our schools. We would love you to take part in this exciting, friendly group on A-Level mathematics teachers.

This year we intend to share an A-Level mathematics resource each term. This first one is for Year 13 students who are beginning to find definite integrals by substitution. The grid allows them to structure their thinking before progressing to a more challenging problem.

Of course how this is presented can be varied which will significantly influence the student experience.

"There is something so incredibly valuable about networking with other A-Level teachers. Tom facilitates these sessions superbly: gets us thinking about our own practice and sharing ideas with others. I always welcome the time to 'think mathematically' with him and look forward to discussing curriculum next year."