

Secondary Mastery Readiness Programme

Work Group Information Sheet

WRK 122689

Overview:

Teaching mathematics for mastery at primary school has been developing for a number of years and secondary schools need to be equipped to ensure that the children coming through are taught with a focus on the same five big ideas.

Using the successful primary mastery readiness programme as a model, this has been adapted for secondary schools and is aimed to give teachers an in depth look at two of the five big ideas.

Who should attend?

Teachers of secondary maths departments that are interested in learning more about teaching for mastery, collaborative planning and observing mastery in action.

What is involved?

6 half termly meetings; 1-4pm with gap task activities between each workshop

- Autumn 1- focus on variation linked to addition of fractions
- Autumn 2- variation linked to teaching averages
- Spring 1- variation linked to teaching indices
- Spring 2- representation linked to FDP equivalence
- Summer 1- Representation linked to Area
- Summer 2- Representation linked to Simultaneous equations

Each session will be followed by a 'gap task' for teachers to lead/deliver a session to students linked to the theme. They will be expected to disseminate ideas/concepts with colleagues within their department and return to the following session with evidence of findings to review/reflect and evaluate learning to develop practice further.

All sessions will model and exemplify mathematical content via a big idea across the two key stages thus showing how it can be easily adapted and adopted.

Participants will receive national updates ensuring their practice remains current/relevant to ensure students are getting the best possible opportunities.



Intended outcomes:

Professional Learning – teachers will

- leave with a greater understanding of the principles of mastery
- be able to see specific ideas modelled and explored in depth to ensure a deeper understanding
- participate in a forum for teachers to share reflections linked to their mastery journey and further develop their understanding of the principles and approaches.
- gain understanding of variation and representation by viewing examples, creating their own, watching the impact of these in the classroom and sharing reflections with other teachers.

Practice Development – teachers will

- participate in structured sessions that will support teachers in designing their own series of questions – reviewing these with colleagues before taking these into the classroom
- review the impact of their new ideas and discuss how changes can further enhance their practice.
- gain a deeper understanding of the two mastery themes and how these can be transferred across a range of mathematical topics and key stages

School Policy/Approaches – teachers will

- see mastery themes modelled in lessons, showcasing how this looks across a department
- share ideas and key principles with their own department as part of the gap task activities

Expectations of the participants and their schools:

- Schools will need to commit to the release of the same nominated teacher(s) for all six workshops and to support them in the gap tasks. This will include supporting wider staff and department engagement between each workshop.

Funding:

There is no charge for participating in this Work Group.

Who is leading the workgroup?

The workgroup will be lead by Ruth McCarthy of Byrchall High School. Ruth is a Cohort 2 Mastery Specialist for NW3 Maths Hub and Accredited NCETM PD Lead. Ruth will be supported by other Mastery Specialists in the delivery of this programme.

How to get involved:

If you are interested in getting involved in this workgroup, please contact

Paula Foster at paula.foster@three-saints.org.uk to request an EOI (expression of interest) form quoting

Sec Mastery Readiness WRK 122689.