

Early Years: Research and Innovation Work Group

Using the mosaic approach as a tool for developing effective observation, assessment and planning procedures in Reception maths.

OUTLINE

This Work Group aims to develop a greater understanding of the mosaic approach in order to support practitioners in strengthening their understanding of the observation, assessment and planning (OAP) cycle in Reception maths teaching and learning.

Practitioners will be able to explore the OAP cycle in more detail, considering how to use this as a tool to increase their subject knowledge and pedagogy of early maths.

DETAILS

WHAT IS INVOLVED?

There will be 3 half day sessions which will explore this approach in more detail alongside in-school activities, giving participants the opportunity to implement key strategies into their own provision.

It is also anticipated that each participant will complete an action research project to show the impact of these sessions on their own subject knowledge of this approach as well as evaluating the impact of their teaching for their children's early maths.

There will also be individual coaching sessions to provide additional support for each school's personalised Work Group action plans.

WHO CAN APPLY?

Early Years practitioners in Nursery and Reception classes, Maths Leads, Assessment Leads, SLTs.

WHAT ARE THE EXPECTATIONS?

It is expected that participants and their schools commit to the full programme; attending all collaborative sessions as well as completing the in-school activities which are designed to ensure maximum impact from attending this Work Group.

COVID RECOVERY

The school year 2020/21 will be substantially affected by the impact of the coronavirus outbreak. The knock-on effects on school life and teachers' working lives can't be predicted with any certainty. So, all Maths Hubs work will be flexible and adapt to changing realities. There's likely to be more live online collaboration, often including use of video, for example.

WHAT IS THE COST?

This Research and Innovation Work Group is fully funded through the East Midlands East Maths Hub so is free to participating schools.

WHO IS LEADING THE WORK GROUP?

Jayne Carter - Early Years Consultant, Ignite Education Ltd

HOW TO APPLY

 www.ememathshub.org

 enquiries@ememathshub.org

 01636 817 377

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ADDITIONAL INFORMATION

INTENDED OUTCOMES

Professional learning:

- Participants will develop an understanding of the key aspects of effective Early Years maths pedagogy: specifically the assessment for learning cycle.
- Participants will understand the principles of the NCETM teaching for mastery approach and how this can be applied appropriately within the context of the mosaic approach to observation, assessment and planning.

Practice development:

- Participants will develop a greater understanding of the mathematical skills and knowledge children need in Early Years maths using information gathered and analysed through the mosaic approach.
- Participants will be able to identify and implement effective Early Years pedagogies and gain insight into how to support children in their maths learning; using the aspects included in the mosaic approach as the tool to inform pedagogical practice.

Pupil outcomes:

- Pupils will benefit from increased opportunities to explore concepts in more depth, and to develop a greater understanding of the connections in mathematics.
- Pupils will be more confident in their mathematics and be able to explain their reasoning using appropriate language.

SESSION DETAILS

All sessions will be online until further notice:

Monday 18th January 2021, 9.30am to 12.30pm

Wednesday 10th March 2021, 9.30am to 12.30pm

Thursday 29th April 2021, 9.30am to 12.30pm

