



Topic Study Group 1.2: Teaching and learning of early algebra

Strand B

Team details

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Overview

Topic Study Group 1.2 aims to bring together researchers, teachers, teacher educators, and curriculum developers with research interests in early algebraic thinking (working with students up to 12 years old). We invite both empirically-grounded and theoretical contributions that address one or more of the following established areas in the teaching and learning of early algebra:

- Student thinking in early algebra.
- Role of teachers, including teacher noticing.
- Curriculum, including task design and policy level decision-making.
- Assessment, including investigation of what is being measured e.g., attainment, engagement.





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- Integration and linkage with other areas of mathematics and beyond mathematics, including social justice contexts and sustainability.
- Teacher education and professional development.

Areas of interest

Along with inviting submissions from established areas of focus within early algebra, we also welcome submissions from emerging areas of research. The Topic Study Group invites submitting authors to consider how they might contribute to discussion and consideration of areas where there is not a large established body of research, but where further research might be valuable to the field. Such areas might include, but are not be limited to:

- Large-scale studies, including national studies and cross-cultural studies that have the potential to inform policy-makers.
- Long-term impact (does early algebra matter?).
- Teaching algebra for social justice and sustainability.
- Diversity e.g., a focus on diverse learners including students from different cultural backgrounds or students with specific learning needs (including learning difficulties).

How to make a submission to this Topic Study Group

Submissions for Topic Study Group Papers and proposals for Posters open 28 April 2023 via the official ICME-15 website, icme15.org. The website also contains a timeline of dates for the activity of the Topic Study Groups in the lead up to the Congress.

For questions about this TSG, please contact the Co-Chairs using the email addresses provided.

