



ONTARIO PUBLIC
SCHOOL BOARDS'
ASSOCIATION

Leading Education's Advocates

EFFECTIVE PRACTICES IN ELEMENTARY MATHEMATICS EDUCATION

School Board: Algoma District School Board

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Name of Program/Initiative/Strategy : Effective Instruction in Mathematics, K-12

Description of Program/Initiative/Strategy

The focus is on exemplary mathematics practices that excite, engage and increase student confidence and achievement. In the brief description please provide answers to the following questions: Where the program/initiative/strategy is delivered (school/board locations)? Who is responsible for delivering and monitoring the program/initiative/strategy? Who is the target audience? Are there any community partnerships involved? Are there any staffing or budget implications? Are there any special resources required? What are your indicators of success, etc.?

As a Board we recognize the need to have a common definition of effective instruction in mathematics, K-12. It is important to define, communicate, develop a shared understanding, and ensure system-wide implementation of effective instruction in mathematics.

“Effective Instruction in Mathematics, K-12” was developed from an extensive review of research, the principles outlined in the Kindergarten Program, and the Ontario Mathematics curriculum, 1-12, and other Ministry support documents.

Recognizing the importance for all educators, regardless of teaching assignment, the document was shared with all K-8 teachers. It was also provided to all secondary teachers of mathematics. The purpose of the document is to build coherence and collaboration amongst educators, and provide a framework for shared understanding and dialogue at professional learning sessions, PLCs, and co-planning/co-teaching opportunities. Within the document, a list of Ministry and Board-approved resources provides teachers with suggested reading for more information about effective mathematics teaching and learning. The document a draft resource that will evolve and change as our learning and understanding evolves.

What has been the impact on Student Learning?

The development of the *“Effective Instruction in Mathematics, K-12”* resource has supported a shared understanding and common language across the system. In conjunction with the

mathematics curriculum and Guides to Effective Instruction in Mathematics, it has become a key resource used in professional learning sessions and co-planning/co-teaching opportunities.

This anchor document is an important tool as we work toward reducing within- and between-school variability in our system.