

Expanding Mathematical Thinking

Professional Learning with the Metro-Chicago Math Initiative
April 25, 2024

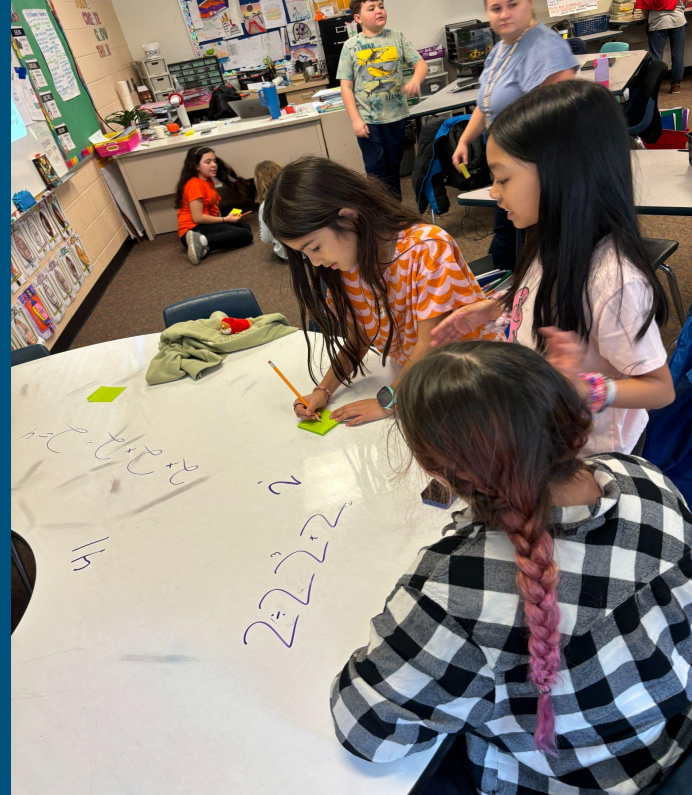


Metro Chicago Initiative

2023-2024 Professional Growth Goals

Build the capacity of participating teachers by deepening their understanding of the Standards for Mathematics (CCSSM) and support their implementation of classroom practices and resources to:

- Engage students in both the Standards for Mathematical Content and the Standards for Mathematical Practice
- Promote perseverance in problem-solving, student-to-student discourse, and meaning-making in mathematics.
- Explore ways to use curricular resources to promote higher-order thinking in classrooms and maintain a high cognitive demand.
- Build the use of formative assessment processes through analysis of student thinking from evidence in lessons and in written student work.



Mathematically Powerful Classrooms K-8

Professional Development

Provide collaboration opportunities to guide professional learning with a focus on mathematics teaching and learning.

- **PreK-8 Whole Group - Math Fluency, Questioning, Reasoning & Differentiation**
 - Formative Assessment
 - Productive Struggle
 - Math Practices
 - Math Talks
- 12 coaching sessions
 - One-One teacher coaching
 - Collaborative grade level coaching
 - Primary and intermediate team meeting collaboration
 - Leadership Team



Teacher Feedback

“Farah has been SUPER helpful. She's positive and supportive while also teaching us new things or challenging us to try something new. Having someone like that around and working with us, cheering us on in math in a non-judgmental way has been great this year. I have added Math Talks to my daily math instruction and it has been awesome to see and hear my little learners talking about math. Math talks might be one of their favorite activities we do each day!”

“The professional development and coaching has made me think outside of the box on how I view math. Memorization of math facts isn't as important as understanding the why!”

“This year's professional development has helped me to improve my students' mathematical thinking and reasoning. The math talks encourage them to share their thinking and use mental math strategies to develop number sense. MCMI also shared resources to improve my students' fact fluency. The games are an effective resource that my students are playing in class.”

“Farah/MCMI is the best professional development we have had in a LONG time! She is a wonderful source for best practices in teaching math! Every time I speak with her, she always has a great idea to try out.”