

Developing Mathematical Thinking Institute

Professional
Development



Curricular
Resources



Assessment



The Developing Mathematical Thinking Institute (DMTI) is dedicated to enhancing students' learning of mathematics by supporting educators in the implementation of research-based instructional strategies through high-quality professional development. We strive to support diverse learners from any background and with a variety of educational needs.

DMTI MATH WORKSHOPS: DENVER, CO AUGUST 2 – 5, 2016

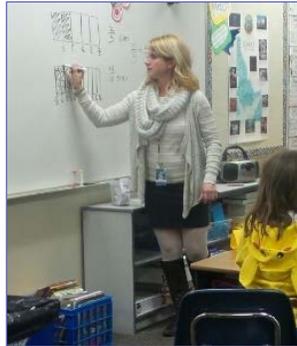
DMTI Math Workshop Grades K-2

4 Day Workshop – up to 40 participants

Do you work with kindergarten students who struggle to count sets of objects accurately? Do you find some of your first grade students struggle to understand the base-10 place value system, particularly the teen numbers? Are there second grade students you work with who can't seem to learn their basic addition and subtraction facts?

This workshop will guide participants to understand the underlying cognitive reasons why young children can struggle with major topics in K-2 mathematics. Participants will learn practical research-based instructional strategies to support K-2 students in developing basic fact fluency, solving story problems, using place value and increasing number sense skills.

Unique strategies that emphasize the importance of visual models and academic language will transform participants' teaching to support struggling learners.



Now I understand why my students struggled with math for so many years. I never realized before how often I would teach them tricks and gimmicks to learn math concepts that were actually foundational to more difficult topics we were going to learn later. I find myself doing a much better job of focusing on the big concepts and helping them see the connections between things I never knew were related. DMTI has reinvigorated my teaching. I wish I could do my first 20 years of teaching all over again!

Contact Information

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DMTI Math Workshop Grades 3-8

4 Day Workshop – up to 40 participants

Have you ever wondered why some students can't seem to memorize their basic multiplication facts no matter how often they practice? Do you see your students struggle to make sense of fractions no matter how much time you spend teaching fraction concepts? Are you often surprised at the number of students who make errors in subtraction when regrouping is involved?

This workshop will support participants' understanding of the most effective research-based instructional strategies to remedy many of these challenges. Topics addressed will include addition and subtraction models and methods, formalizing operations with whole numbers and fractions, decimal concepts, basic fact fluency and proportional reasoning.

Visual models and academic language will be given specific emphasis as many student misconceptions in grades 3-8 arise from deficits in these two areas.

Cost: \$375 per participant (for 4 days) -- 2 credits will be available
Location: Odyssey School of Denver, 6550 E. 21st Ave, Denver, CO 80207