

Inspiring a Culture of **MATH ACHIEVEMENT**

Math Solutions professional learning doesn't just inspire individual teachers, it transforms the culture of a school. With more than 30 years of experience focusing exclusively on mathematics, Math Solutions helps your teachers deepen their content and pedagogical expertise in order to drive student learning.



Building the Model Math Classroom

Benefit from examples of an effective math classroom to help teachers implement best practices quickly and efficiently. Math Solutions has developed a comprehensive guide to instructional excellence for both teachers and students. The **Instructional Practices Inventory** helps schools focus on and improve four key areas of instruction in order to reach math achievement goals:

- ✓ Learning Environment
- ✓ Reasoning and Sense Making
- ✓ Focus and Coherence
- ✓ Formative Assessment

This tool is also used by administrators to recognize what to look for in math classrooms and is the foundation of our Instructional Needs Assessment and Progress Monitoring for reporting.

Supporting Teaching Excellence

Delivered by Math Solutions coaching experts, our Job-embedded individual and team coaching services support teachers by modeling lessons in the classroom and making sense of student and assessment data. Our mission is to develop coaching experts and establish a culture of coaching within schools.

Overview of Services



MATH INSTRUCTIONAL NEEDS ASSESSMENT identifies instructional needs through online surveys, classroom walkthroughs, and district data to pinpoint critical challenges. Math Solutions experts provide observation, analysis, and in-person consulting and reporting.

FOUNDATIONAL COURSES focus on the mathematical practices and processes and are designed to strengthen math content and pedagogical knowledge, as well as provide instructional strategies that promote thinking, reasoning, and sense-making.

CONTENT STANDARDS BY GRADE LEVEL COURSES—from Number and Operations and Fractions to Algebra and Geometry—explain the math content and pedagogy every teacher needs.

JOB-EMBEDDED INDIVIDUAL AND TEAM COACHING is designed to drive instructional improvement, improve student learning and deepen teachers' math content and pedagogical knowledge.

INSTRUCTIONAL STRATEGY COURSES provide a toolkit of strategies to bring into the classroom. Topic-focused courses range from Number Talks and Differentiation to Formative Assessment.

SUPPORT FOR ADMINISTRATORS guide and support leaders in the collaboration, creation, and implementation of a clearly defined action plan for math improvement.

CURRICULUM MAPPING aligns district standards to state standards and assessments, ensuring focus, coherence, and rigor.

IMPLEMENTATION OF ADOPTED PROGRAMS/NEW CURRICULUM support the implementation of newly adopted programs or new curriculum through coaching and lesson modeling.

IN-HOUSE STAFF DEVELOPMENT DESIGN AND SUPPORT create and facilitate a professional development program in collaboration with school or district personnel.

REPORTING: PROGRESS MONITORING, MID- AND END-OF-YEAR REPORTING, AND ANALYSIS ensure implementation is going as planned through surveys, classroom walkthroughs, and district and student data.

AWARD-WINNING BOOKS AND VIDEOS provide an effective way to maintain and extend professional learning.

Questions? Contact:



800.868.9092 | info@mathsolutions.com | mathsolutions.com