

K-12 PROFESSIONAL LEARNING



Math Solutions®

FOUNDED BY MARILYN BURNS

On-Site & Online Services | Courses | Coaching | Resources



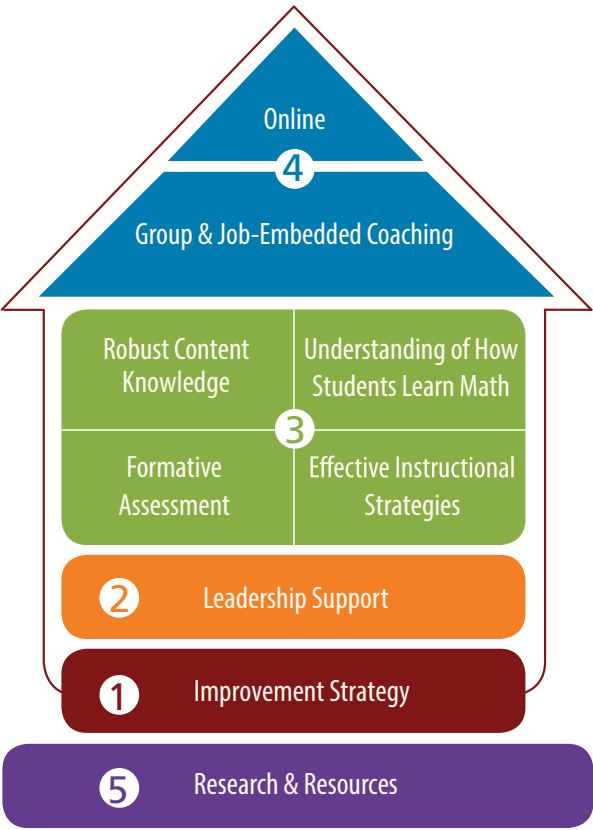
Professional Learning Services for
Effective Mathematics Instruction

Math Solutions is the leading provider of professional development services, courses, and resources for K–12 mathematics educators. With more than 30 years of experience focusing exclusively on mathematics, Math Solutions offers accelerated, sustainable improvement in teacher effectiveness, student learning, and mathematics achievement.

A Framework for Effective Professional Learning

We know from a wide body of research that initiating and sustaining meaningful change in instruction and student achievement requires involvement at every level of the district, from the superintendent to each teacher in the classroom.

Moreover, to be truly effective, professional learning must be part of a larger, long-range improvement strategy, and integral to the school culture.



Effective professional learning

- 1** ... is part of a larger, long-range strategy to improve math instruction and student outcomes.
- 2** ... is built on a foundation of leadership support.
- 3** ... addresses the instructional needs of every teacher.
- 4** ... is sustained through differentiated, targeted, ongoing professional learning.
- 5** ... is based on extensive in-classroom research incorporating the most innovative strategies and best practices from award-winning authors.

The Blended Equation for Building Capacity



Services

Coaching for Individuals or Groups	Support effective teaching practices through observation, modeling, collegial planning, and development of your teachers’ content and pedagogical knowledge.
Curriculum Mapping	Align district standards to the Mathematical Practice and Content Standards, ensuring the focus, coherence, and rigor required by the Common Core. Hands-on working sessions provide an overview of curriculum design relative to the Common Core Practice and Content Standards.
Support for Administrators	Guide and support leaders in the collaboration, creation, and implementation of a clearly defined action plan for math improvement.
Implementation of Adopted Programs / New Curriculum	Support the implementation of your 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 your school or district personnel.
Technology Integration and Implementation	Help your teachers use technology as a tool to enhance student learning.
Support for Scholastic Math Programs	Implementation and professional learning to maximize your investment.

Making Sense of Math™

Math Solutions Guiding Principles

Drawing upon academic work and our own classroom-grounded research and experience, Math Solutions has identified the following four instructional needs as absolutely essential to improving instruction and student outcomes:

- Robust Content Knowledge
- Understanding of How Students Learn
- Insight into Individual Learners through Formative Assessment
- Effective Instructional Strategies

These four instructional needs drive the design of all Math Solutions courses, consulting, and coaching. We consider them our guiding principles and strive to ensure that all educators:

- Know the math they need to teach—know it deeply and flexibly enough to understand various solution paths and students' reasoning
- Understand the conditions necessary for learning, what they need to provide, and what students must make sense of for themselves
- Recognize each student's strengths and weaknesses, content knowledge, reasoning strategies, and misconceptions
- Have the expertise to make math accessible for all students, to ask questions that reveal and build understanding, and help students make sense of and solve problems

Our Founder



Marilyn Burns is one of today's most highly respected mathematics educators and authors. For more than 40 years, Marilyn has taught children, led professional development sessions, spoken at educational conferences nationwide, written children's books, developed professional development videotapes, and created mathematics resources for teachers and administrators.

Common Core State Standards, College and Career Ready Courses

Math Solutions offers Common Core and College and Career Ready foundational and customized courses for all your K–12 math teaching needs. Professional learning experiences are designed for teachers, teacher leaders, coaches, principals, and district leaders.

Common Core

- Common Core Leadership
- Common Core Mathematical Practices
- Common Core Content Standards
- Common Core Focused Instruction

College and Career Ready

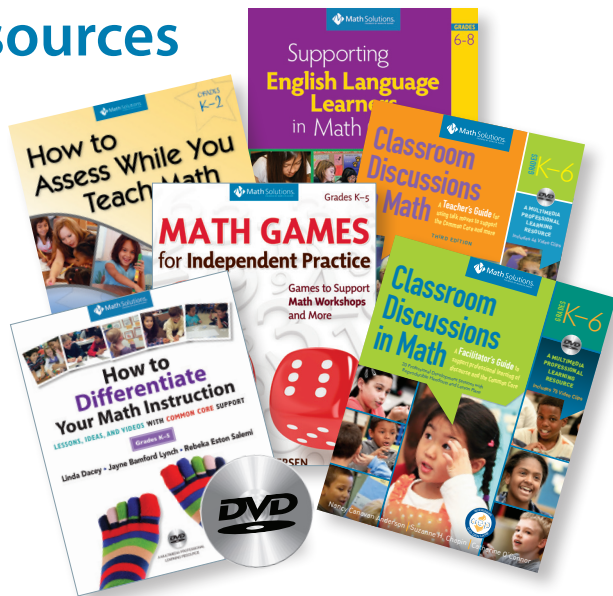
- College & Career Ready Leadership
- College & Career Ready Mathematical Processes
- College & Career Ready Content
- College & Career Ready Focused Instruction

Visit mathsolutions.com to view a complete listing of our courses, purchase award-winning books and videos, and access free educator resources.



Books and Resources

Math Solutions books and video resources provide today's educators with the highest-quality, award-winning tools they need to help improve math achievement for all students.



SCHOLASTIC
ACHIEVEMENT PARTNERS™



Math Solutions is part of Scholastic Achievement Partners—the professional services arm of Scholastic Education. Scholastic Achievement Partners brings together Math Solutions, the International Center for Leadership in Education, and Scholastic's Implementation Services team to offer a full range of solutions for helping schools and districts raise achievement across all content areas. With over 500 expert consultants and coaches around the country, we provide a full range of services to improve leadership, literacy, and mathematics for comprehensive school improvement.

