



Math Solutions for Middle School (6-8)

July 18 - 21, 2011

8:30 am - 3:30 pm

Math Solutions for middle school presents teachers with the rationale for teaching mathematics through problem solving and gives them hands-on experiences with the instructional strategies and ideas that promote thinking and reasoning. Participants will become familiar with and engaged in the eight Standards for Mathematical Practice identified in the Common Core State Standards (CCSS). In addition, videotaped lessons with students and examples of student work help participants connect the Mathematical Practices to the classroom.

Course Goals

This course will help teachers to:

- strengthen math content knowledge for the purpose of making math accessible for students;
- understand how students learn mathematics; and
- implement effective instructional strategies that promote thinking, reasoning, and making sense of mathematics.

Course Experiences

This course will help teachers to:

- focus on problem solving in all middle school content standards of the CCSS including ratios & proportional relationships, number, expressions & equations, functions, geometry, and statistics & probability;
- help students apply their arithmetic skills to solve problems;
- create a classroom environment that supports thinking, reasoning, and communication;
- organize the classroom for small group and individual instruction; and
- motivate students to enjoy mathematics while increasing their skills and understanding.

Math Solutions for Middle School is designed for classroom teachers, Title I teachers, resource teachers and math coaches. Principals, mathematics coordinators, and other district level administrators will also benefit from attending.

This course is provided by Math Solutions, a company founded by Marilyn Burns. Math Solutions is the foremost authority on transforming instruction and driving student achievement in mathematics. With 25 years of leadership work with thousands of school districts nationwide, the Math Solutions expert educational consultants create solutions for accelerated sustainable improvement in teacher effectiveness, student learning, and test results.

Registration Fee: \$600 includes all course materials, and lunch each day

Non-degree Graduate Credit (optional): 2 hours @\$160 per hour (\$320)

This course will be facilitated by a Mathematics Solutions certified instructor.

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PLEASE PRINT

Name: _____

School: _____ District: _____

Home Address: _____

City: _____ Zip: _____

Home Phone: _____ Cell: _____

Work Phone: _____ Fax: _____

Email address: _____

Current Position (ex 7th grade mathematics teacher, coach, administrator): _____

Registration Fee: \$600 includes the cost of all materials and lunch each day. (Does **not** include the cost of graduate credit)

Mail the complete registration form with a check payable to **“John Carroll University”** or send a school purchase order to:

John Carroll University
c/o CMSETT
20700 North Park Blvd.
University Heights, OH 44118

or fax this registration form with a purchase order to 216.397.4544.

Upon receipt of your application and payment, you will receive an email confirmation of your registration. In May 2011, you will receive another email with workshop details. Please contact The Center for Mathematics and Science Education, Teaching and Technology at John Carroll University if you do not receive this information (216.397.4575).

Note: Registration fee is not refundable after May 1, 2011, however you may transfer your registration to another person at the same grade level.

