

# MACS 2011-2012 Program

Mathematics and Computer Science Collaborative

**Theme:**

**“Rejuvenating Mathematics Instruction to Meet the New Standards”**

<b>Seminar Day Date Registration</b>	<b>1</b> Thursday November 3, 2011 <i>Moakley Auditorium</i> <b>East Campus</b>	<b>2</b> Thursday January 12, 2012 Campus Center Ballroom Foyer, <b>West Campus</b>	<b>3</b> Thursday March 8, 2012 Campus Center Ballroom Foyer, <b>West Campus</b>	<b>4</b> Thursday April 12, 2012 Dunn Conference Suite, Crimson Hall, <b>East Campus</b>
<b>Grades PreK – 3</b>	<b>Session A</b> <i>A new look at numbers: order, counting, place value and the number line</i>	<b>Session E</b> <i>Operations: strategies for applying the properties through modeling</i>	<b>Session I</b> <i>Helping students become fluent with basic number facts</i>	<b>Session M</b> <i>Where did algebraic logic and fractions go?</i>
<b>Grades 4 – 6</b>	<b>Session B</b> <i>Multiplication and division of whole numbers: understanding the importance of place value in developing and applying all algorithms</i>	<b>Session F</b> <i>Operations with fractions and the importance of benchmark fractions with all four operations</i>	<b>Session J</b> <i>Operations with decimals: understanding the importance of place value in developing and applying all algorithms.</i>	<b>Session N</b> <i>Using rates and ratios to solve problems, including similar figures, percents, unit conversion and unit prices</i>
<b>Grades 7 – 8</b>	<b>Session C</b> <i>Understanding the Number System: focus on rational numbers and operations</i>	<b>Session G</b> <i>Proportionality: ratios, their representations, understanding proportionality</i>	<b>Session K</b> <i>Functions: functions, representations, modeling relationships</i>	<b>Session O</b> <i>Geometry: transformations, Pythagorean theorem, congruency and translations</i>
<b>High School: Taking a Closer Look at Algebra 1</b>				
<b>Grades 9 – 12</b>	<b>Session D</b> <i>The Real Number System: exploring the properties of irrational numbers, rational exponents and more!</i>	<b>Session H</b> <i>Focus on Functions, part 1</i>	<b>Session L</b> <i>Focus on Functions, part 2</i>	<b>Session P</b> <i>Statistics and Probability</i>

**NOTE: Thursday, May 10<sup>th</sup> has been reserved as a seminar make-up date (if necessary)**

For more information about MACS, please visit our website at:  
[www.bridgew.edu/MathCS/MACSCollaborative.cfm](http://www.bridgew.edu/MathCS/MACSCollaborative.cfm)

Times: 3:30 Registration 4:00 Welcome 4:10 Sessions 7:00 Dinner & Wrap-Up  
**NOTE: Registration locations vary by seminar and are indicated at the top of this page.**

