

Calling All K–12 Math Educators!

Carnegie Learning >

# Northern Kentucky and Greater Cincinnati Math Institute

July 28, 2016

Only \$150 per Attendee!

## Agenda

8:00–8:30 a.m.

**Registration**

8:30–9:45 a.m.

**Breakout A**

10:00–11:30 a.m.

**Breakout B**

11:30 a.m.–12:30 p.m.

**Lunch**

12:30–1:45 p.m.

**Breakout C**

2:00–3:30 p.m.

**Breakout D**



Register today at: [www.carnegielearning.com/KYandOHMathInstitute](http://www.carnegielearning.com/KYandOHMathInstitute)

# Sample Session Descriptions

## K–5 Strand

### Power of 10's

Your work with base 10 sets the stage for students' conceptual understanding of math for years to come. We will look at base 10 tools your students can use to build a strong foundation for understanding mathematics.

### Blasting Off with Rocket Strips: Intro to Fraction Representations

Come experience the use of paper manipulatives to develop the understanding of fractions.

## 6–8 Strand

### Proportional Reasoning: Double Number Lines, Tables, Graphs, and Equations

Proportional reasoning plays an important role in the CCSS for middle school students. This session explores a variety of activities that build conceptual understanding using multiple representations.

### Building Understanding of Integer Operations

Do your students struggle to memorize the rules for integer operations? Let's explore ways to build conceptual understanding of the integer operations so that you don't hear, "but I don't remember the rule" again!

## 9–12 Strand

### Matching, Sorting, and Exploring: Discovering Function Families

Experience and leave with classroom-ready tasks focused on discovering characteristics to classify function families using problem situations, graphs, and equations. Walk away with completed graphic organizers for a variety of function families.

### How Much Water Will It Hold?

Can you take your knowledge of volume and use it in an applied environment? In this hands-on session, you will apply your knowledge of volume, nets, and surface area in a fun and challenging way that you can take back to your students.

## General Interest

### Easy to Implement Strategies for Differentiation

Come and explore a variety of different teaching tools and strategies to differentiate instruction and increase student engagement.

### The Tech Savvy Teacher: Tools to Increase Your Effectiveness in the Classroom

Let's explore a variety of online tools and iPad apps for increasing student engagement and achievement!

### Developing Problem Solvers, NOT Problem Doers!

Participants will learn about the importance of problem solving and explore strategies that promote teaching mathematics through problem solving.