

## Grades Pre-K–Grade 2

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NCTM 2010 Regional Conference & Exposition • New Orleans, LA • October 28-29, 2010

The NCTM Regional Conference and Exposition in New Orleans will offer over 200 presentations focused on mathematics education. The following is a small sampling of the sessions and gallery workshops that will be offered at NCTM's Regional Conference for educators who work with students in grades Pre-K– 2. For additional presentations please visit the **Online Conference Planner** at [www.nctm.org/neworleans](http://www.nctm.org/neworleans).

### **Building a Strong Foundation with Fractions, the Singapore Math Way**

*Thursday, October 28 • 10:30 am - 12:00 pm*

Come learn the teaching sequence for fractions for grades 1–5. These hands-on activities, based on strategies from Singapore Math, will equip your students with a stronger foundation in understanding fractions and problem solving.

### **Celebrate Math: Using Children's Literature to Make Mathematics Connections in Reading, Science, and Social Studies**

*Thursday, October 28 • 10:30 am - 12:00 pm*

Get ready to explore mathematics connections to reading, science, and social studies using children's literature. Hands-on math experiences across the strands and processes for diverse learners include interactive read-alouds, geometry and measurement in science, and graphing in social studies, all inspired by poetry, fiction, and nonfiction.

### **Geometry Is Just "Plane" Fun**

*Thursday, October 28 • 11:00 am - 12:00 pm*

Participants will receive activities for exploring the concepts of geometric shapes and solids with young students. Easy-to-reproduce games will review basic number sense and data analysis integrated with geometry. PowerPoint lessons will be shared during the session and available by e-mail.

### **Twirling Batons, Sparkling Capes, and Mysterious Hats Create the Magic of Math**

*Thursday, October 28 • 12:30 pm - 2:00 pm*

Magic wands, tricky numbers, play dough, and reappearing coins will help compare addition and subtraction and develop the concepts of money and measurement for even the more reluctant mathematicians. English language learners, exceptional students, or anyone that enjoys hands-on activities will love what this session has to offer.

### **Building Blocks: A Foundation in Geometry**

*Thursday, October 28 • 2:00 pm - 3:00 pm*

Let's get our young mathematicians in shape by introducing key geometric concepts through integrated literature and hands-on activities addressing a variety of learning styles. The inclusion of relative vocabulary and geometric properties will provide a solid foundation for the next generation of mathematicians. Join me in shaping our future.

### **When In Doubt, Add**

*Friday, October 29 • 8:00 am - 9:00 am*

Students can go beyond finding the numbers and adding in every problem-solving situation. The four types of addition and subtraction situations will be shown using story mats, number lines, and songs.

## **Understanding Fractions: A Key ‘Part’ to a ‘Whole’ Mathematical Experience**

*Friday, October 29 • 8:30 am - 10:00 am*

Participants will engage in and receive research-based, effective lessons to develop fractional understanding in young children. Presenters will discuss current work with children and examine misunderstandings, foundational concepts, and multiple models used to develop critical understandings of fractional relationships.

## **Family Math Night: Math Standards in Action**

*Friday, October 29 • 8:30 am - 10:00 am*

Take the worry out of implementing family math nights. Learn how to encourage parents to serve as models of motivation, persistence, and competence in math. Find out how to help families engage in math discourse. This session will explore motivating activities and extensions that are directly connected to math standards.

## **Subtraction Strategies That Work**

*Friday, October 29 • 11:00 am - 12:00 pm*

Learn about engaging models and activities that can help all children in grades 1 and up make sense of comparative subtraction, take-away subtraction, and missing addends. Concrete to representational to abstract, these models are great for Response to Intervention and strategic intervention. Ready-to-use materials will be provided.

## **Developing Deep Knowledge of Addition Concepts and Facts with Links to Subtraction**

*Friday, October 29 • 12:30 pm - 1:30 pm*

Essential aspects such as static and active situations must be experienced so the bridge to subtraction is built. Activities will be described that build this concept, plus an approach to teaching number facts that provides long-lasting learning and a strong foundation for subtraction facts.

## **The Number Line? Animate It to Teach and Reach**

*Friday, October 29 • 2:30 pm - 4:00 pm*

Use an animated number line to build a nonlanguage, visual understanding of number, difference, place value, and multidigit addition. This session will show how to develop number sense, count money, and compute with hands-on activities using a number line. Increase understanding and retention for all students. A CD with animations will be provided.

## **Doing Math Problems Never Felt So Good**

*Friday, October 29 • 3:30 pm - 4:30 pm*

Explore ways to engage young children with mathematics as they represent a favorite story or story problem with felt. Share ways to (1) craft math problems from children’s literature, songs or poems; and (2) use felt stories to develop integrated lessons around math problems. Receive templates and tips for creating felt images with children.

## **Visual Discrimination: Seeing and Learning Mathematics**

*Friday, October 29 • 3:30 pm - 4:30 pm*

The use of visual reasoning is a powerful tool for making sense of mathematics. Come and examine activities designed for children to use their visual abilities while learning ideas in the areas of number, operation, geometry, pattern, and measurement.