

Energize Traditional Everyday Math with Hands-on, Minds-on Activities

Discover fresh, non-traditional math activities that will make traditional math skills and concepts come alive for your students!

A 2-day workshop for teachers of mathematics in grades 3 through 6 who are looking for teacher-friendly ways to motivate their students

Over ten years ago the National Council of Teachers of Mathematics (NCTM) published the *Standards* recommending proposed changes in what math we teach, the way we teach it, and how we assess our students' work. But making such basic changes requires a painstaking examination of our curriculum, teaching strategies, and evaluation/assessment procedures. **All too often our students just memorize rules** without really understanding the concepts behind them.

In this two-day workshop we will use manipulatives and activities to teach everyday math skills and concepts. You will eagerly anticipate using these motivating and fun activities with your students. **Link instruction to meaningful evaluation**, and make authentic assessment a workable possibility.

Workshop Highlights:

A New Look at Mathematics:

- Examine the content and process goals of the *Standards 2000*.
- Learn why there is a need for change.
- Discover how our beliefs about math stand in the way of substantive change.
- Explore techniques to help students manage their time.

Writing in Mathematics:

- Learn to make a fascinating paper journal.
- Use journals to encourage students to develop their own problems.
- Develop the Geometry Journal—important concepts through writing.

Hands-on Computation and Number Theory:

- Baseball Math and Biggest or Smallest—students practice skills with overhead games.
- The Bowling Game and Card Tricks—order of operations becomes exciting through games.

Open-Ended Problem Solving in Your Classroom:

- Explore various approaches to problem solving.
- Discover the differences between traditional and open-ended problem solving.

Active Geometry:

- Learn how van Hiele's theories explain how students learn geometry.
- Use informal activities to develop strong geometric concepts.

Using Manipulatives and Literature to Teach Fractions:

- Use paper-folding to develop the concept of equivalent fractions.
- Learn how to use lined paper to teach the concept of division of fractions.
- Use money as a manipulative to develop fraction concepts.
- Help students develop problem-solving strategies using motivating stories.
- Make connections between math strands with content-rich problems.

Hands-on Statistics and Probability:

- Experience a variety of stimulating data collection activities to help students understand the power of statistics in our information age.
- Teach the concept of chance with simple probability experiments.

Algebra in the Elementary Classroom:

- Supermarket manipulatives make abstract concepts more concrete for students.
- Concrete representations make the concepts of functions and equations understandable.

Cooperative Logic—A Highly Structured Form of Cooperative Learning

- Develop important math concepts while teaching students to work together.
- Help students communicate mathematically and share information constructively.



Hope Martin

Learn to use concrete models and applications from the real world that are both teacher and student-friendly!

**Prime Presentations
(888) 917-3950**

**Mathematics
Grades 3-6
2 Days**