Beacon EDUCATOR

Online Professional Learning
ANYtime, ANYwhere

Math for K-8 Teachers

- Builds concepts, skills, and strategies
- Supports standards-based practice
- Promotes a deeper understanding of math

Beacon Educator's math program consists of four in-depth courses that provide close examination of math concepts leading to deep conceptual understanding for students in grades K-8. Each course offers classroom examples for a coherent curriculum that is focused on best practices and research-based instructional strategies including Van de Walle and Webb's Depth of Knowledge. The Mathematical Thinking and Reasoning Standards are explored.

These courses are designed to assist teachers in transitioning to non-traditional pedagogies such as active learning, collaborative/cooperative learning, and the encouragement of student participation and involvement in the learning experience.

Course Title & Description	Points
Math for K-8 Teachers: Number Concepts Learn strategies for teaching whole numbers, place value, fractions and decimals, estimation, and problem solving. Investigate and practice multiple strategies for problem solving.	24
Math for K-8 Teachers: Number Operations Investigate strategies for proficiency in number operations, computing fluency, computing with fractions, and computing with decimals. Practice problem solving using number operations to make real-world connections.	20
Math for K-8 Teachers: Space and Shape Explore problem solving using two-dimensional and three-dimensional shapes. Identify strategies for teaching accurate measurement, estimation of measurement, and real-world problem solving.	24
Math for K-8 Teachers: Algebraic Reasoning Make connections between patterns and functions. Explore mathematical models and strategies to increase understanding of quantitative and qualitative relationships, including problem solving using the analysis of change.	20

Visit us at BeaconEducator.com

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