

Mathematically Empower Your Students

2010 Summer Content Courses – Bellingham, WA



Mathematics Education Collaborative (MEC)

under the leadership of **Ruth Parker** and **Patty Lofgren**

Live and learn mathematics within an environment that fully models optimal classroom practice. Deepen your own mathematical understanding while learning how to support students as powerful users of mathematics. Learn how to support a range of student needs from struggling students to advanced learners – without labeling students.

Based on two major research studies, teachers participating in MEC's content courses can significantly impact student achievement gains.

***Patterns: Foundations for Algebraic Reasoning**

From early patterning to algebraic reasoning across the grades.

Aug. 3-13

@ Burlington-Ed. or Sedro-Woolley

**Patterns course is a pre-requisite to all other courses.*

Geometry & Proportional Reasoning

Investigations of properties of 2- & 3-dimensional shapes, measurement and scaling concepts related to those shapes.

Aug. 3-13

@ Burlington-Ed. or Sedro-Woolley

Probability:

A Study of Chance

Exploring theoretical and experimental probability and diverse models for determining probabilities.

June 22-July 2 @ WWU

Numerical Reasoning

Making sense of number relationships while building foundations for success in algebra and beyond.

June 22-July 2 @ WWU

*"I found wonderful methods to differentiate my classroom for both struggling students and also highly capable students."
Middle School Teacher*

*"My involvement with MEC has given me the opportunity to spend time investigating and constructing deeper understanding of Big Ideas in mathematics."
Elementary Teacher*

*"This MEC course forced me to discover the "why" behind the "how" which was very powerful – and gives me a better understanding of why students must value struggle as part of learning math and have more ownership of their learning."
High School Teacher*

REGISTRATION

Timeframe: Tues. - Fri., and the following Mon. - Fri.
8:30am - 3:30pm daily

Location: location is dependent on specific course; all courses will be in Bellingham, Burlington, Sedro-Woolley area

Fee: \$750 per participant

Register: (online @ WWU; available late April 2010)

For more info.: pattyb@mec-math.org

Learn more about each course - the mathematics, instructional strategies, math topics and more. visit MEC's website: www.mec-math.org/professional-development/mathematics-content-courses