

# Mathematically Empower Your Students

## 2009 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 gain.*

#### **Patterns: Foundations for Algebraic Reasoning**

*Foundations for algebraic reasoning across the grades.*

**June 22 - July 2**

#### **Geometry & Proportional Reasoning**

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

**June 22 - July 2**

#### **Numerical Reasoning**

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

**August 4 – 14**

#### **Open Registration -**

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

**Location:** location is dependent on the specific course;  
all courses will be in Bellingham & Burlington area

**Fee:** \$740 per participant

**Register:** <http://www.acadweb.wvu.edu/eesp/math/index.shtml>

**For more info.:** [pattyb@mec-math.org](mailto:pattyb@mec-math.org)

*"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*

*"Because of this MEC session I will look at lessons with a different lens. My discussions with my staff will change."*

*Administrator*

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](http://www.mec-math.org/professional-development/mathematics-content-courses)