

CESA 8 School Improvement Services Department Presents:

## Common Core State Standards 3-Graduate Credit Course

# Teaching Math for Understanding in Grades 3-5

June 25-29, 2012  
8:00 AM—4:00 PM

CESA 8 Office  
223 W Park St  
Gillett, WI 54124

*Carole Foreman,*  
Instructor

*This course will focus on developing mathematical understanding in Grade 3-5 teachers that is critical in the implementation of the Common Core State Standards for mathematics. As outlined in the CCSS document, teachers need deep understanding of the mathematics they teach and of the mathematics taught in previous and later grades. This course will focus on using the learning progressions for the CCSS to gain or deepen mathematical understanding of the concepts and skills and the mathematical practices that are detailed with the CCSS document.*

### Course Objectives:

- Teachers will gain a deeper understanding of the mathematics that they teach in order for them to teach deep conceptual understanding of the concepts and skills to their students.
- Teachers will understand the progression of skills and concepts that are outlined in the CCSS document so that they can effectively differentiate their instruction with their students, and plan effective intervention plans for struggling students.
- Teachers will understand the mathematical practice standards that are outlined in the CCSS and will design classroom instruction that incorporates the standards into daily math instruction.
- Teachers will examine and create mathematical performance tasks and rubrics that can assess student performance and growth on content standards and practice standards.

### Outline of Content:

This course will use the Common Core State Standards document and the Mathematical Progressions document as the primary resources in planning the content. Each day will focus on one domain. Using the domain, teachers will experience learning activities that will deepen their understanding of the mathematical content and the math practice standards. Participants will view and discuss actual classroom videos that demonstrate the math practices. Instruction will focus on demonstrating the clear progression of the skills and concepts within the domain. Time will also be spent on showing the interconnections between domains so that teachers do not view the standards as a “checklist” but rather how standards are taught and then applied in other domains. Each day the participants will also experience math performance tasks that could be used to assess student understanding of the content standards and math practice standards. Teachers will then work within grade level groups to design their own performance task and rubric that can then be used with their assessment system. The following is a brief summary of the content that will be examined through activities to deepen understanding.

*More information regarding this course can be found on our registration website, [myQuickReg.com](http://myQuickReg.com).*

**Cost:** \$250.00 per participant

\$330.00 for Three-Grad Credits from Viterbo (optional)

**Registration:** All registration will be made through our online system which can be found at [www.myquickreg.com](http://www.myquickreg.com), or go to the CESA 8 webpage and click on the red link at the bottom of the page.

**Registration Deadline:** Five days before workshop date

**Information:** Eric Larsen, [elarsen@cesa8.k12.wi.us](mailto:elarsen@cesa8.k12.wi.us), or

