

Common Core State Standards 3-Graduate Credit Course

6th-8th Grade Algebra Refresher

June 18-22, 2012
8:00 AM—4:00 PM

CESA 8 Office
223 W Park St
Gillett, WI 54124

Candis Holtz,
Instructor

Course Objectives:

Participants will:

- Become familiar with the content of the Common Core State Mathematics Standards
- Understand the concepts of Algebra required to implement the standards
- Develop methods for teaching the Algebra concepts to middle school students
- Develop learning activities for their classrooms

Outline of Content:

Linear Equations

- Solve linear equations including equations containing parentheses
- Concept of independent and dependent variables
- Rewrite equations

Understanding of the concept of variables

- Graphing lines
- Analyze graphs of lines
- Solve a system of linear equations
- Apply linear equations to real-world applications

Functions

- Understand the concept of a function
- Understand the properties of functions
- Describe functions
- Analyze the graphs of functions

The Number System

- Use positive and negative exponents
- Solve problems with squared and cubed roots
- Apply scientific notation

Techniques for teaching these concepts will also be discussed and practiced.

Applications and activities to promote student learning will also be discussed and practiced.

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, 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, or
Betty Kaliebe, bettyk@cesa8.k12.wi.us

In order to successfully implement the Common Core State Standards in Mathematics, middle school teachers will need to teach a variety of mathematical concepts which were traditionally taught in high school. This course is designed to serve as a refresher of math concepts related to Algebra. The intent and progression of the Common Core State Standards will also be explored.

