

CESA 8 Office
223 W Park St
Gillett, WI 54124

9:00 AM—3:30 PM
each day

October 10, 2012
**Grades K-2: Building
Number Sense the
Primary Grades**

October 30, 2012
**Grades 1-3: Step by
Step Model Drawing:
Solving Word Problems
Using the Singapore
Math Model Drawing
Strategy**

November 7, 2012
**Grades 3-5: Step by
Step Model Drawing:
Solving Word Problems
Using the Singapore
Math Model Drawing
Strategy**

November 14, 2012
**Grades 6-8: Step by
Step Model Drawing:
Solving Word Problems
Using the Singapore
Math Model Drawing
Strategy**

November 28, 2012
**Grades 1-3: Why
Before How, Singapore
Math Computational
Strategies**

December 5, 2012
**Grades 3-6: Why Before
How, Singapore Math
Computational
Strategies**

CESA 8 Curriculum Instruction and Assessment Department Presents:

1st Semester Math Workshops

with *Carole Foreman*



Workshop Descriptions

Grades K-2: Building Number Sense the Primary Grades

This hands-on workshop will focus on teaching strategies that can be used to build number sense in all primary children. In this workshop we will investigate the use of ten frames and dot cards, number bonds, hundred charts, the Rekenrek (arithmetic rack), and other math manipulatives that can be used to develop the ability to visualize problems and think through strategies for solving problems. Through the use of these tools your students will be able to recognize patterns and relationships, form the habit of looking for multiple approaches to solving a problem, and communicate their understanding. All activities will focus on developing deeper understanding of Kindergarten and First Grade Common Core State Standards.

Grades 1-3: Step by Step Model Drawing: Solving Word Problems Using the Singapore Math Model Drawing Strategy

Do you have students who struggle with word problems? Wait until they try Singapore Math's Model Drawing Strategy. This highly visual approach bridges the gap between the concrete level (manipulatives) and the abstract level (algorithms). It helps students to see the relationships between numbers. The model drawing strategy is easily incorporated into any math curriculum and is one strategy recommended in the Common Core State Standards. In this workshop you will learn a step by step approach to use with students to solve addition, subtraction, multiplication and division word problems.

Grades 3-5: Step by Step Model Drawing: Solving Word Problems Using the Singapore Math Model Drawing Strategy

Do you have students who struggle with word problems? Wait until they try Singapore Math's Model Drawing Strategy. This highly visual approach bridges the gap between the concrete level (manipulatives) and the abstract level (algorithms). It helps students to see the relationships between numbers. The model drawing strategy is easily incorporated into any math curriculum and is one strategy recommended in the Common Core State Standards. In this workshop you will learn a step by step approach to use with students to solve addition, subtraction, multiplication, division, mixed operations, fractions, and decimal word problems.

Grades 6-8: Step by Step Model Drawing: Solving Word Problems Using the Singapore Math Model Drawing Strategy

Do you have students who struggle with word problems? Wait until they try Singapore Math's Model Drawing Strategy. This highly visual approach bridges the gap between the concrete level (manipulatives) and the abstract level (algorithms). It helps students to see the relationships between numbers. The model drawing strategy is easily incorporated into any math curriculum and is one strategy recommended in the Common Core State Standards. In this workshop you will learn a step by step approach to use with students to solve whole number, fraction, decimal, rate/distance, ratio, percent, and algebra word problems.

Grades 1-3: Why Before How, Singapore Math Computational Strategies

A first step toward more effective math instruction is to move away from an emphasis on teaching computation as a series of rote rules. This workshop will focus on developing student comprehension of computation through conceptual understanding of what to do and **why**. We will explore multiple strategies for solving computation problems so that we can better meet all student needs. The goal of this workshop is to help you develop students who not only are capable of solving computation problems, but who also truly understand computation and can apply their thinking to new problem situations.

Grades 3-6: Why Before How, Singapore Math Computational Strategies

A first step toward more effective math instruction is to move away from an emphasis on teaching computation as a series of rote rules. This workshop will focus on developing student comprehension of computation through conceptual understanding of what to do and **why**. We will explore multiple strategies for solving computation problems so that we can better meet all student needs. The goal of this workshop is to help you develop students who not only are capable of solving computation problems, but who also truly understand computation and can apply their thinking to new problem situations.

Cost: \$50.00 per participant per class for CESA 8 Curriculum Instruction and Assessment School Districts.
\$100.00 for all other members

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