



Elementary Math Workshop: Effective Strategies for Teachers 3-5

CESA #12 Conference Center

Monday, January 13 and Thursday, January 23, 2014

Registration: 8:30-9:00 AM - Workshop: 9:00 AM and 3:30 PM

Overview

Multiplication and Division, Decimals, Fractions

Day One (January 13):

- Introduction to the mathematical practices of the common core state standards
- Explore resources with activities, lessons, and tools to support common core concepts
- Discuss what a strategy is and how to introduce these to students (such as problem-solving methods, mental math strategies, math modeling)
- Create effective math problems

Day Two (January 23):

- Identify the most difficult and subtle math concepts for US children
- Learn base ten teaching sequences and thinking-clarification strategies
- Determine useful manipulatives and models
- Design an instructional math plan for your classroom/school (focus on LESRA instructional model)

Create richer math thinking using unique visual tools. Strengthen your existing math program while upgrading to the increased emphasis on written and mental problem-solving found in the new *Common Core State Standards for Mathematics*, 2010.



Viterbo Credit Available

Participants Will

- Use a visual process to solve multiple-step math word problems easily (many Singapore and Hong Kong math techniques).
- Use critical vocabulary to structure conversations to deepen math understanding (*Common Core* math vocabulary)
- Understand the power of base ten place value to manipulate numbers easily
- Apply these processes to your existing math materials
- Learn how to present concepts in the simplest, clearest way; the appropriate sequential order for developing math skills; what students find difficult; and what errors they are likely to make.
- Lay a foundation for algebraic thinking.
- Develop deep understanding of equality, place value, fractions and mathematical problem-solution using whole numbers, decimals and fractions.

Presenter

Amanda Popovich, Curriculum Coordinator, CESA #12

Wisconsin State Performance Plan Indicators and Standards Addressed

Wisconsin Teaching Standards Addressed: 1, 2, 3, 4 & 7

Target Audience

Elementary Math Teachers K-2, Title I Teachers/Coordinators

Earlybird Fee Before December 30 (January 13 workshop) and January 9 (January 23 workshop)

Day 1: \$30 /Day 2: \$30 ESEA Consortium Districts Title I Consortium Districts (*Butternut, Chequamegon, Hurley and Mellen*)

Day 1: \$50/Day 2: \$50 Non-Consortium School Districts

Registration Fee After December 30 (January 13 workshop) and January 9 (January 23 workshop)

Day 1: \$40 /Day 2: \$40 ESEA Consortium Districts (*Butternut, Chequamegon, Hurley and Mellen*)

Day 1: \$60/Day 2: \$60 Non-Consortium School Districts

Registration fee includes breaks and lunch.

Deadline for Registration

January 10 (January 13 workshop) and January 20 (January 23 workshop)

Registration cancelled after registration deadline will not be refunded.

Registration must be completed on <http://www.myquickreg.com>