



Elementary Math Workshop: Effective Strategies for Teachers 3-5

CESA #12 Conference Center

Friday, December 6, 2013 and Monday, January 13, 2014

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

Overview

Multiplication and Division, Decimals, Fractions

Day One (December 6):

- 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 13):

- 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 November 22 (December meeting) and December 30 (January Meeting)

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 November 22 (December meeting) and December 30 (January Meeting)

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

December 3 (December meeting) and January 10 (January meeting)

Registration cancelled after registration deadline will not be refunded.

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