SINGAPORE NATIONAL CONFERENCE
Las Vegas, Nevada
July 7-11, 2014

What is Singapore Math?

Singapore revolves around several key number-sense strategies: (1) building number sense through part-whole thinking, (2) understanding place value, and (3) breaking numbers into decomposed parts or friendlier numbers, ones that are easier to work with in the four operations (addition, subtraction, multiplication and division).

Singapore Math does something dramatically different when it comes to word problems. It relies on model drawing, which uses units to visually represent a word problem. Students learn to visualize what a word problem is saying, so they can understand the meaning and thus how to solve the problem.

Singapore teaches mental math strategies, which allow students to calculate in their heads, without using paper and pencil. The child will still need to commit some facts to memory, but mental math will teach the student to do calculations using proven strategies that don't require pencil and paper.

Strategies taught in Singapore are layered upon one another. One strategy is the foundation for another one. For example, students need prior knowledge of bonding in order to be successful at strategies they will learn later on (like vertical addition).

Most importantly, Singapore Math teaches students to understand math in stages, beginning with concrete (using manipulatives such as counters, number disks, dice, and so on), then moving to pictorial (solving problems where pictures are involved), and finally working in the abstract (where numbers represent symbolic values). Through the process students learn numerous strategies to work with numbers and build conceptual understanding.

How does it relate to the Common Core?

Singapore Math is aligned with the Common Core State Standards for Mathematical Practice

Why is Singapore Relevant to classroom instruction?

Singapore Math is designed to teach, best teaching practices in mathematics, based on sound learning theories, which are practical, low-prep, high-impact, 100% doable, ready-to-use strategies and techniques that are immediately transferable to the classroom and are grade specific.

A.8

Who will attend?

Five Teachers

Kindergarten
First Grade
Third Grade
Fourth Grade
Fifth Grade
Administrator

Courses of Interest (90 sessions)

*How to Implement Singapore
*Performance Tasks
*Number Sense
*Mental Math
*Math Fluency
*Visualization

Cost of Workshop

$3,485.00 (total cost for five teachers)
Administrator is free of charge

Cost of Travel

As of 2/4/14 – Airplane flights out of Stockton on Allegiant are $59.00 each way, not including tax and fees.

Cost of Hotel

Venetian – The National Conference is held in the Convention Center which is attached to the Venetian Hotel
$1,926.20

Long Term Plan for Implementing Singapore Math: Our team will develop a long term implementation plan addressing strategies in the classroom, professional development follow up, peer coaching, classroom visitations, training of staff, including After School Program staff, and math nights/trainings with parents.

School Improvement Plan/Site Council

Singapore Math Professional Development is noted in the Waverly Single School Plan, page 28 and 35 under Professional Development and Collaboration. The plan was approved on 12/5/13. School Site Council met on February 12, 2014 to review the site plan in the area of professional development. The School Site Council approved the Singapore Math Conference.

The National Singapore Conference is held once a year in Las Vegas. The conference is not offered in other locations.