SESSION 1

Date: April 2, 2014
Time: 4:00 p.m.—7:00 p.m.
Oak Grove Room

SESSION 2

Date: April 8, 2014
Time: 4:00 p.m.—7:00 p.m.
Saratoga Room

SESSION 3

Date: May 6, 2014
Time: 4:00 p.m.—7:00 p.m.
Saratoga Room

LOCATION:

Santa Clara COE
1290 Ridder Park Drive
San Jose, CA 95131

REGISTRATION:

http://santaclara.k12oms.org

COST:

$35 per individual / per workshop or $100 for the entire series (dinner included)

For More Information:

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RATIOS AND PROPORTIONAL REASONING
Designed for Middle School Teachers

As we continue to transition to the Common Core State Standards (CCSS), middle school teachers are invited to participate in a series of three workshops. The workshops are designed to offer participants the opportunity to learn and explore Ratios and Proportional Reasoning through the lens of the Common Core State Standards in Mathematics (CCSS-M).

OUTCOMES

- Enrich understanding of the CCSS Ratios and Proportional Relationships standards in grades 6-8
- Explore instructional strategies that support all learners through the Standards for Mathematical Practice
- Engage in activities that develop and strengthen a successful learning environment through quality mathematics instruction

Session 1: *The Story of Ratios*
- Reasoning about multiplication and division to solve ratio and rate problems
- Computing unit rates associated with ratios
- Modeling multiple representations of ratios and rates to build conceptual understanding

Session 2: *It's All Relative*
- Understanding of proportionality to solve single- and multi-step problems
- Strategies to solve a wide variety of percent problems
- Use scale drawings to understand proportions
- Graphing proportional relationships

Session 3: *Putting it All Together*
- Connections to Ratios and Proportional Relationship through other math topics
- Ratios and Proportional Relationships in real-world, contextual situations
- Projects to extend knowledge of Ratios and Proportional Relationships