Santa Clara County Office of Education

Jon R. Gundry
County Superintendent of Schools

FRACTIONS IN THE COMMON CORE CLASSROOM

SESSION 1
Date: September 14, 2015
Time: 4:00 p.m.—7:00 p.m.

SESSION 2
Date: September 28, 2015
Time: 4:00 p.m.—7:00 p.m.

SESSION 3
Date: October 5, 2015
Time: 4:00 p.m.—7:00 p.m.

SESSION 4
Date: October 19, 2015
Time: 4:00 p.m.—7:00 p.m.

SESSION 5
Date: November 2, 2015
Time: 4:00 p.m.—7:00 p.m.

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

AUDIENCE:
3rd—5th grade teachers

REGISTRATION:
http://santaclara.k12oms.org/1051-102880

COST:
$40 per individual / per session or $180 for series

FOR MORE INFORMATION CONTACT:
Kirsten Sarginger
Mathematics Coordinator
kirsten_sarginger@sccoe.org
408-453-4351

REGISTRATION:
MaryLynn Marcolina
Marylynn_marcolina@sccoe.org
408-453-4330

Fractions are a big idea and part of the major clusters in the CA Mathematics Standards for grades 3-5. The Santa Clara County Office of Education will be hosting a series of workshops to support teachers with the implementation of fractions in the mathematics classroom.

OUTCOMES

- Participants will examine models that can be used to support students' conceptual understanding of fractions.
- Participants will learn sense-making ways to support students with fraction operations.
- Participants will understand how context enhances understanding of fraction operations.

SESSION 1: FRACTION CONCEPTS

Participants will investigate various fraction models that are used to develop fraction concepts. They will examine how these models give meaning to parts and wholes, equivalence, and ordering. Participants consider how children develop meaning and understanding of fractions through story problems.

SESSION 2: FRACTION ADDITION

Participants will use linear models to explore procedures for the addition of fractions.

SESSION 3: FRACTION SUBTRACTION

Participants will use linear models to explore procedures for the subtraction of fractions.

SESSION 4: FRACTION MULTIPLICATION

Participants will learn how to build meaning for fraction operations through appropriate story situations. They will examine some contexts for multiplication of fractions and use these contexts to better understand fraction multiplication

SESSION 5: Division

Participants will understand how division of fraction can be developed conceptually on a number line through using a measurement and partitive model. They will learn how to connect the conceptual understanding to the algorithm of "invert and multiply" and to the connections between multiplication and division.

Resources are available to offset cost for participants from Program Improvement Districts or Schools . Please contact david_kennedy@sccoe.org or (408) 453.6982.

STEAM
SCIENCE TECHNOLOGY ENGINEERING ARTS MATHEMATICS