



Experiencing the Progression From Arithmetic to Algebra (Grades 3-8)

During this two-day session, Cathy Fosnot will focus on the big ideas, strategies, and models important in the development of algebra, for example the treatment of numeric and algebraic expressions as interchangeable equivalent objects (in contrast to procedures), the big ideas of equivalence, the properties of operations, variation, solving for unknowns, and using models such as the double number line, the ratio table, and the array as powerful tools for representing and thinking. We will make use of two of Cathy's algebra units, and provide kidwatching and analysis of developmental trajectories. We will also use number strings to develop equivalence and the properties of the operations. Work with addition and subtraction in the early grades will extend to integers and rational numbers with the use of associative and commutative properties in the upper grades. Work on multiplication and division in the early grades will extend to integers and rational numbers with the use of associative, distributive, and commutative properties, proportionality, and simplification. Participants will experience the progression from arithmetic to algebra.



Each participant will receive a copy of "Young Mathematicians at Work: Constructing Algebra."

Who Should Attend: Grades 3-8 general and special education mathematics teachers, teacher leaders, mathematics coaches, and district and site administrators.

DATES: Thursday, March 2, 2017
Friday, March 3, 2017

LOCATION: Riverside County Office of Education
Conference Center
3958 Twelfth Street
Riverside, CA 92501
(Map on reverse.)

TIME: 8:30 a.m. - 3:30 p.m.

ATTENDEE LIMIT: 60

REGISTRATION FEE: \$495
(Includes materials and lunch.)

DEADLINE: Tuesday, January 31, 2017

NOTE: No refunds after deadline date. No refunds for no-show participants.
All cancellations must be made in writing before the deadline date.

Online registration is available at <http://rcoe.k12oms.org/>.

For additional information, please contact: Annette Kitagawa, Administrator, (760) 863-3005



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Name: _____ Phone: _____

School: _____ District: _____

Address: _____ E-mail: _____

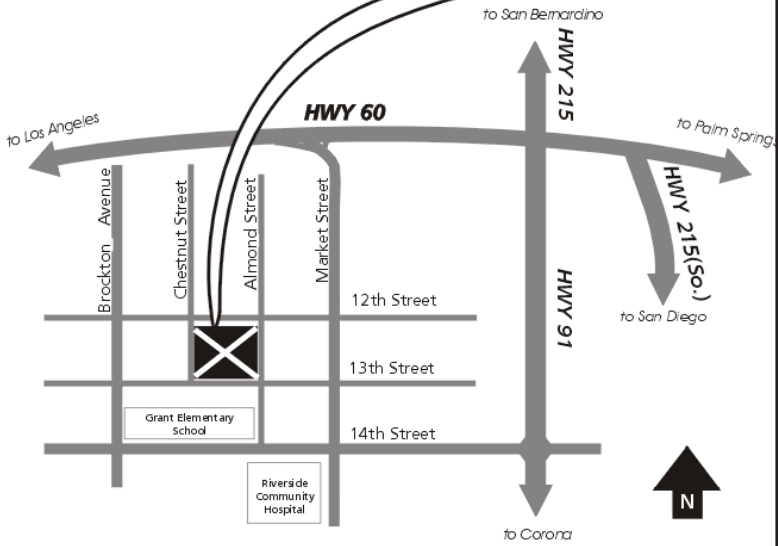
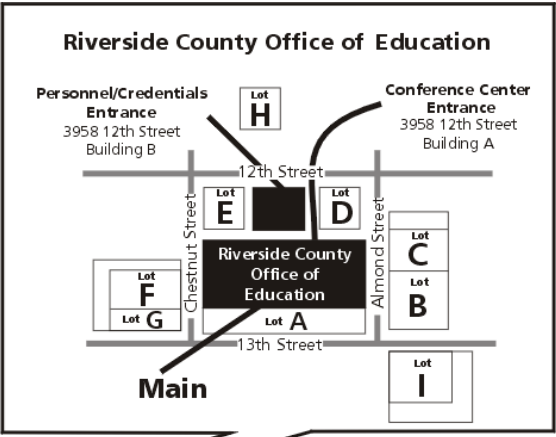
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Deadline: Tuesday, January 31, 2017

Make payment payable to: Riverside County Office of Education

Mail or fax to: Riverside County Office of Education - Indio
Attn: Annette Kitagawa, Administrator
47-110 Calhoun Street
Indio, CA 92201
Fax: [760] 863-3395



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