



February 24 & 25, 2017

Location: Student Achievement
Resource Center (SARC)
14188 E. Briarwood Avenue
Centennial, CO 80112

Registration opens 9/15

Time: 7:30 AM - 3:30 PM

Lodging: Best Western
9231 E Arapahoe Road
Greenwood Village
CO 80112

Hotel Phone: 303-792-9999

Rate: \$89.00, book by 2/12/2017

**Looking at Tier 1 Instruction and Tier 2
Interventions: Supporting Students in Grades K-5
Who Struggle with Learning Mathematics**

February 24: Target audience: grades K-2 general education and special education teachers, math interventionists, district-level and building-level math leaders

February 25: Target audience: grade 3-5 general education and special education teachers, math interventionists, district-level and building-level math leaders

With a focus on multi-tiered systems of support, classroom and special education teachers and interventionists will expand their knowledge of highly engaging Tier 1 instruction and Tier 2 interventions to support students' learning of mathematics. During these highly interactive workshops, participants will consider interventions and assessments using multiple strategies for learning number and operations and algebraic thinking. Using evidence-based strategies such as concrete/semi-concrete/abstract (CSA) participants will experience classroom-tested tasks that create robust learning and avoid the "teaching as telling" approach. These workshops will address the components of a strong

intervention model and will emphasize the need to focus on students' strengths.

This professional development opportunity is designed as two separate one-day workshops. The content for the two **morning sessions** will be similar with the two **afternoon sessions** providing different focuses. The February 24 workshop will look at instruction and interventions appropriate for grades K-2 and the February 25 workshop will focus on instruction and interventions specific to grade-level content for grades 3-5.

Dr. Karen Karp will lead these interactive workshops. She is a Visiting Professor in the Ed.D. Program in the School of Education at Johns Hopkins University. For twenty-one years prior to this appointment, she was Professor of mathematics education in the Department of Early and Elementary Childhood Education at the University of Louisville. Karen is the author or co-author of more than twenty books including, *Elementary and Middle School Mathematics: Teaching Developmentally*; *Student Centered Mathematics*; *Developing Essential Understanding of Addition and Subtraction for Teaching Mathematics*; *Inspiring Girls to Think Mathematically*, seventeen book chapters, and approximately forty articles. She is a former member of the Board of Directors of the National Council of Teachers of Mathematics (NCTM) and a former president of the Association of Mathematics Teacher Educators (AMTE).

While on the NCTM Board, Karen was Co-PI on a grant funded by the National Science Foundation to bring together teams of mathematics educators and special educators to develop research and opportunities to support the teaching of mathematics to students with disabilities. She continues to work in classrooms across the country to support teachers of students with disabilities in their mathematics instruction.

Questions: Contact Kelly Ragland raglankm@gmail.com **Note: Because of the highly interactive nature of these workshops, participation will be limited to 60 attendees per day. Attendees may only register for one of the two days.** For updates on future events, please visit the CCLD website: www.cocld.org

The Colorado Metro Math Intervention Team and the Colorado Council for Teachers of Mathematics support Math on the "Planes".