



February 23-24, 2018

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

Lodging: Best Western
9231 E Arapahoe Road
Greenwood Village
CO 80112
Hotel Phone: 303-792-9999

Time: 7:30 AM - 3:30 PM

**Looking at Tier 1 Instruction and Tier 2
Interventions: Supporting Students in Grades 6-12
Who Struggle with Learning Mathematics**

February 23-24, 2018: Target audience: grades 6-12 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 this highly interactive workshop, participants will consider instructional strategies, content interventions, and assessments for learning algebraic and geometric concepts and skills. Using evidence-based strategies such as the concurrent presentation of multiple representations, participants will explore rigorous, engaging, classroom-tested tasks that create robust learning without a 'teaching by telling' approach.

The content for February 23 will focus on algebraic concepts and skills, including concept of variable, one and two-variable equations, and linear and

polynomial expressions and equations. The second day will emphasize concepts and skills related to functions (including graphing), transformations, and links between geometric and algebraic topics. Throughout both days, a questioning framework will be introduced and instructional strategies that support student engagement in lessons will be modeled.

Dr. Barbara Dougherty will lead this interactive workshop. She is the Director of the Curriculum Research & Development Group at the University of Hawaii. Barb is the author or co-author of more than 50 books including, *Algebra I: A Process Approach (2nd Edition)*, *Developing Essential Understandings of Algebraic Thinking*, *Hands-On Explorations in Algebra*, and *Putting Essential Understandings of Teaching and Learning Geometry into Practice*, 22 book chapters, and over 25 journal articles. She is a former member of the Board of Directors of the National Council of Teachers of Mathematics (NCTM) and the Series Editor for *Putting Essential Understandings into Practice* series as well as the lead advisor and developer for NCTM's Algebra Readiness Interactive Workshops.

Barb is a co-PI on a US Dept. of Education (IES) grant that was funded to develop progress monitoring tools to determine student achievement and growth on algebraic concepts for middle and high school. Additionally, she is the co-PI on another IES grant that resulted in Tier 2 intervention modules to support algebra readiness for middle school students.

Questions: Contact Kyle Hughes kyle.hughes24@gmail.com

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 provide support for Math on the "Planes".

Conference Rates

Conference Rates include breakfast and lunch for each day

SCHOLARSHIPS ARE AVAILABLE! See links on CCLD Home Page.

	Early Rate	Reg. Rate (after 2/5)
*Members of CCLD	\$190	\$220
Non-members	\$240	\$270

Group rates for districts sending a team of 10 or more: \$190 per participant expires 2/12.

Member discounts: *New members may join CCLD/CLD (\$113) as part of the registration process and get all of the additional benefits of being a CCLD member for an entire year (see Benefits of Membership at www.cocld.org). All memberships must be current as of 2/23/2018. New and renewing members may contact Kyle Hughes (kyle.hughes24@gmail.com) for membership verification. If your membership is not current, you will be asked to pay the full amount for non-members.

Registration Policies

Payment: Online registration may be completed for individuals or for district/building teams.

***Individuals** must select credit card payment to complete the registration process.

***School districts** may pay by check. **Make check payable** to: Colorado Council for Learning Disabilities 1366 Garfield Street, Unit 509 Denver, CO 80206 Contact Cassie Harrelson to request a district W-9 form Cashionh@gmail.com

Refund policy: Refunds will be made 12 days (2/11) prior to the conference with the exception of a \$20.00 nonrefundable registration fee. After day 12, fees are 100% nonrefundable. Attendee may substitute another person at any time for no additional charge.

Credit: Participants will receive a certificate of attendance (15 hours).