

MATHEMATICS

What's Taught and Who's Learning It?

"Teachers/leaders believe that success and failure in student learning is about what they, as teachers or leaders, did or did not do. We are change agents!" (Hattie, *Visible Learning for Teachers*, Rutledge, 2012, p. 161)

For all Math Educators, Curriculum Directors, District and Building Leaders working with elementary, middle and secondary learners

Three Day Series: Come for one, two, or all three days

January 10, February 6, March 23, 2017

8:30 AM - 3:30 PM (8:00 check-in)

At Metro ECSU

Many districts are engaged in work to address racially conscious, socially just systems. This series of workshops will build on this culturally responsive work, drilling deeper to apply the concepts specifically to Math. Attendees will delve into effective teaching practices of mathematics to empower educators and ensure mathematical success for each and every learner, as described in *Principles to Actions* by the National Council of Teachers of Mathematics (NCTM). Register for one, two, or all three days.

Day 1, January 10 Mathematical Mindsets/Teaching and Learning

- Review NCTM's *Guiding Principles for School Mathematics*.
- Discuss key practices and productive beliefs needed to ensure the mathematical success for learners.
- Explore strategies that promote a growth mathematical mindset.

Day 2, February 6 The Impact of Identity/Access and Equity

- Consider the impact of identity on mathematical success.
- Explore rich mathematical tasks to engage students in cognitively demanding mathematics.
- Identify practices that support socially marginalized and emerging bilingual students.

Day 3, March 23 The Danger of the Single Story/Curriculum and Assessment

- Explore technical and cultural challenges in mathematics education.
- Examine strategies to overcome challenges and ensure the mathematical success of each and every learner.
- Discuss next steps to providing high quality education in your specific setting.

About the Presenters: **Barb Everhart** supports secondary educators as they navigate rigorous math curriculum and work to meet the needs of each and every student. She provides coaching, mentoring, and curriculum support as well as professional development opportunities related to equity, data analysis, formative assessment and more. Barb was an educator in the Minneapolis Public Schools for 15 years before becoming a consultant.

Deb Rykken specializes in supporting elementary and middle level educators. She brings 30+ years of mathematics education experience, including mathematics curriculum facilitation and instructional coaching. Deb facilitated the Region 11 Math and Science Teacher Academy Partnership, presented at MN Council of Teachers of Mathematics conferences, planned Mathematics Math Leaders networking meetings, and provided professional development for Science Museum of Minnesota/STEM leaders.

Registration Information

Register online: <http://metroecsu.myquickreg.com>

Time: 8:30 AM - 3:30 PM (8:00 check-in)

Registration Deadlines: Day 1-Jan 10; Day 2- Feb 6; Day 3 - Mar 23 (Register for each day separately.)

Cancellation Deadline: Day 1 - Jan 5; Day 2 - Feb 2; Day 3 - Mar 21

Fee: \$95/day Metro ECSU Member; \$190/day Non-Metro ECSU Member. Lunch included.

Location: Metro ECSU

2 Pine Tree Dr, Suite 101, Arden Hills, MN 55112 (In the Anderson Center, Bethel University)

Registration contact: Susan Frame, susan.frame@metroecsu.org, 612-638-1543

\$10 processing fee applies to all invoices

In compliance with the Americans with Disabilities Act, when special accommodations are needed contact Susan Frame 612-638-1543, or susan.frame@metroecsu.org, at least three weeks prior to an event. Notice of cancellation must be made no later than two business days prior to an event. Cancellations received after the cancellation deadline will be billed for special accommodations.

