ALL CONTENT TEACHERS ARE TEACHERS OF ELLS, AND ALL ESOL TEACHERS ARE CONTENT TEACHERS.

HOW DO YOU SUPPORT MATH, SCIENCE, AND LANGUAGE DEVELOPMENT WITH A RANGE OF LEARNERS?

This summer we are pleased to bring back a few of our professional learning experiences designed for K-12 math teachers, science teachers, ESOL teachers, and paraprofessionals who are interested in learning how to support all learners, in particular English Language Learners, in the classroom.

There are NO REGISTRATION COSTS for any of these experiences!

Each experience provides an opportunity for content and ESOL educators to collaborate and learn together. To get the most out of these experiences, participants are encouraged to attend as teams, consisting of ESOL teachers, content teachers, and other positions.

EXPERIENCES FOR K-12 TEACHERS:

- **Supporting All Learners in a Common Core Classroom: A Focus on Reasoning and Language Development in Secondary Mathematics** (Grades 6-12)

- **Supporting All Learners in a Common Core Classroom: A Focus on Reasoning and Language Development in Elementary Mathematics** (Grades K-5)

- **Deepening Our Mathematics Content Knowledge to Support Elementary and ELL Students with Number and Operation Fluency** (Grades K-5)

- **Success in Science: Learning Through Inquiry** (Grades K-12)
Supporting All Learners in a Common Core Classroom: A Focus on Reasoning and Language Development in Secondary Mathematics (Grades 6-12)

Designed to meet the needs of the ESOL teacher supporting students’ learning of language through mathematics and the mathematics teacher supporting ELL students’ learning of mathematics

The Common Core State Standards for Mathematics stresses the importance of communicating mathematical thinking and reasoning as well as the importance of solving rich contextual problems. Both ESOL and math teachers need strategies to help ALL students develop the academic and common language of mathematics needed to communicate thinking and reasoning clearly.

In this institute participants will engage in mathematical tasks that not only develop mathematical reasoning skills, but also provide fertile ground for the kind of language development needed for success in mathematics. Participants will collaborate to develop useful strategies to make both the mathematics and the language accessible for all students.

“When always love PDs your team provides! The math experiences are always so rich and modeled in a way that gives great examples of great teaching.”

- Past participant. Fall 2014

When: June 30, July 1 and 2, 2015
8:30 AM – 3:30 PM
Morning beverages provided
One hour lunch on your own

Where: Rochester City School District
East High School, Room D132
1801 Main St. E
Rochester, NY 14609

Audience: 6-12 Math and ESOL Teachers and Paraprofessionals

Professional Development Hours: 20
Includes outside assignments

Registration is open to the first 30 participants.

Questions? Contact Stephanie Martin
smartin@warner.rochester.edu

Participants are encouraged to attend as teams of ESOL teachers and content teachers, and other positions.

The Collaboration for English Language Learner Success (CELLS) project is made possible through a grant from the US Department of Education. Project partners include the Warner School of Education, Rochester City School District, Mid-West Regional Bilingual Education Resource Network, Monroe 2 Orleans BOCES, Wayne-Finger Lakes BOCES, and Genesee Valley Education Partnership.
Deepening Our Mathematics Content Knowledge to Support Elementary and ELL Students with Number and Operation Fluency (Grades K-5)

What mathematics do elementary teachers need to know to support students developing operational fluency? What strategies and routines can help students become fluent? What are the implications for English Language Learners?

This institute supports participants in developing an understanding of big mathematical ideas underlying number operations (addition, subtraction, multiplication, division) as it connects to the computational fluency expectations in the Common Core State Standards.

Participants will work with the four operations as they examine tasks, strategies, and activities that build fluency while providing students with opportunities to engage in the Mathematical Practices. Participants will have time each day to discuss strategies for bringing meaning to the concepts, tasks and standards for their ELLs.

When: July 15, 16, 22, and 23, 2015 1:00 PM – 4:00 PM

Where: University of Rochester Warner School of Education LeChase Hall, Room 141 (Room 481 on 7/16 only)

Audience: K-5 Math and ESOL Teachers and Paraprofessionals

Professional Development Hours: 15 Includes outside assignments

NOTE: Campus parking fees not included

Registration is open to the first 30 participants.

Questions? Contact Stephanie Martin smartin@warner.rochester.edu

Participants are encouraged to attend as teams of ESOL teachers and content teachers, and other positions.

CLICK HERE TO REGISTER!

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Supporting All Learners in a Common Core Classroom: A Focus on Reasoning and Language Development in Elementary Mathematics (Grades K-5)

How do you support ALL students to become mathematical thinkers? How do you support language development in the mathematics classroom?

HIGH QUALITY MATHEMATICS INSTRUCTION requires students to engage in cognitively demanding tasks that provide opportunities for them to be problem solvers who can clearly communicate their thinking to others. In the Blueprint for ELL Success, New York State’s education department recently stated that “ALL TEACHERS ARE TEACHERS OF ELLS” and that administrators, policymakers, and practitioners must prepare ELLs for academic success as their civil right.

Taught by a team of math and ESOL educators, this institute will examine how to support learners with diverse language needs to reason with number and operations across the elementary grades.

Using the Common Core State Standards for Mathematics (CCSSM) as a backdrop, participants will engage in math experiences as learners to deepen their own understanding of the mathematics concepts and proficiencies reflected in the Common Core State Standards. Through video clips, written cases, and professional readings, participants will develop images of what it means to cultivate and maintain high quality mathematics instruction for all learners and support language development using mathematical concepts.

When: July 7, 8, and 9, 2015
8:30 AM – 3:30 PM
Morning beverages provided
One hour lunch on your own

Where: Wayne-Finger Lakes BOCES
131 Drumlin Court
Newark, NY 14513
Maple Bldg, Great Lakes Room

Audience: K-5 Math and ESOL Teachers and Paraprofessionals

Professional Development Hours: 20
Includes outside assignments

Registration is open to the first 30 participants.

Questions? Contact Stephanie Martin
smartin@warner.rochester.edu

"Very thought provoking, it improved my sense of Common Core Standards"
- Past participant. February 2015
Success in Science: Learning Through Inquiry (Grades K-12)

What does teaching and learning through inquiry look like in the science classroom? How do you support English Language Learners in this environment?

Participants will have opportunities to engage in inquiry-based science as they learn:

- About English language learner populations in the region, their backgrounds and their challenges
- How to scaffold science content for ELL students
- How to adapt complex text that is beyond the language level of students
- How to help students develop a deep understanding of content related discourse, vocabulary, and language functions
- Best practice examples for encouraging accountable talk amongst ELL students
- Strategies for utilizing inquiry during instruction

When: August 19, 20, and 21, 2015
8:30 AM – 3:30 PM
Morning beverages provided
One hour lunch on your own

Where: University of Rochester
Warner School of Education
LeChase Hall, Room 285

NOTE: Campus parking fees not included

Audience: K-12 Science and ESOL Teachers and Paraprofessionals

Professional Development Hours: 20
Includes outside assignments

Registration open to the first 25 participants.

Questions? Contact Stephanie Martin
smartin@warner.rochester.edu

Participants are encouraged to attend as teams of ESOL teachers and content teachers, and other positions.

CLICK HERE TO REGISTER!

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