



We are pleased to offer another professional learning opportunity for elementary math and ESOL teachers and paraprofessionals before funding for the CELLS project ends. Please share this with others who would benefit from this experience.

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 computational fluency?
What strategies and routines can help students become fluent?
What are the implications for English Language Learners?

This institute supports participants in deepening their understanding of big mathematical ideas underlying number operations as they connect to the computational fluency expectations in the Common Core State Standards.

Participants will work with the four operations in the domains of whole numbers and fractions as they examine tasks, strategies, and connections that build fluency while engaging in the Mathematical Practices. Participants will have time each day to discuss strategies for bringing meaning to the concepts, tasks and standards for their ELL students.



When:
February 21, 22, & 23, 2017
8:30 AM - 3:30 PM

Where:
University of Rochester
Warner School of Education
LeChase Hall

Audience:
K-5 Math and ESOL Teachers and
Paraprofessionals

Facilitated by Alicia Van Borssum, Kristen Wright, and Karen Wolgast.

Professional Learning Hours: 20
Includes outside assignments
(CTLE Approved)

Cost:
Registration fees covered by
CELLS* project!
Campus parking fees not
included.

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

Registration is open to the first 30 participants.

Morning beverages and light lunch available daily.

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

[Click here to Register!](#)

*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.

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