



Champlain Valley Educator Development Center

Collaborative Professional Learning to Support Vermont Schools

Simplifying Fractions!

Instructor: Betsy Allen FALL 2017

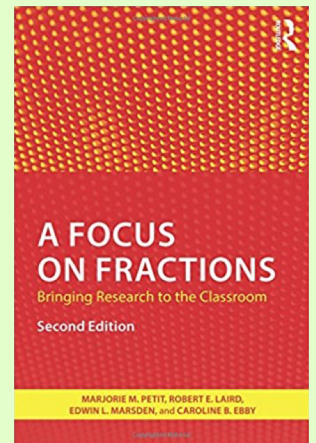
Target Audience: Teachers of Grades 3-8

This 3-graduate credit course will explore the learning progressions and the standards progression of the Vermont Common Core State Standards along with current research on how students develop a deep understanding of fractional concepts. Each participant will analyze student work to identify where students are on a learning progression, identify the common misconceptions, and then develop and plan next instructional steps. They will collaborate with other grade level teachers to strengthen and/or develop their fraction unit, including formative assessments and instructional strategies and lessons, with integrated technology.

Learning Outcomes

1. Participants will deepen their own content knowledge of fractions.
2. Participants will know and understand fraction content of the CCSS across grade levels and the shifts of content.
3. Participants will know the cognitive research about how children develop fractional concepts that is the basis for the learning progressions.
4. Participants will learn how to identify where students are on a learning progression and identify student misconceptions.
5. Participants will develop a variety of instructional strategies to promote student learning.
6. Participants will develop and/or strengthen a fraction unit of study and incorporate the use of formative assessments as an instructional strategy.
7. Participants will learn technology applications and games during the course so that they might incorporate them in their instruction.

Betsy Allen is the District Math Coach in Essex Westford School District. Prior to this, she graduated from VMI and coached math at Hardwick Elementary. Betsy represented Vermont in several Smarter Balance Assessment projects. She teaches both undergraduate and graduate level courses for mathematics teachers.



Dates:

Wednesdays 4-8 pm
9/20 – 11/29 except
11/22

Location:

CVEDC i-Classroom
Dupont Hall
123 Ethan Allen Ave
Colchester, VT

*Cost:

CVEDC members: \$825
without credit
\$1200 with 3 grad cr.
Non-members:
\$925/\$1300

*includes the text: Petit, M., Laird, R., (2015) A Focus on Fractions: Bringing Research to the Classroom

To Register: www.cvedcvt.org

Questions? info@cvedcvt.org

Or call: 802-497-1642



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