



Champlain Valley Educator Development Center

Collaborative Professional Learning to Support Vermont Schools

Addition Fact Fluency Series

More than Just the Basic Facts: Model, Monitor, and Master

Christian Courtemanche, Instructor

(MMUU Math and Science Instructional Coach and longtime CVEDC presenter)

Target Audience: Grades K-4 educators, special educators, coaches and school/district-based teams

Mastery of addition facts is a key component for further work with larger numbers, fluency with subtraction, and application to multiplication, division, and fractions. So many students fall into traps of anxiety around mastering their basic facts. Others quickly memorize and then forget, leaving little strategy other than counting on fingers to fall back on when problems get more complex. How can we guide students toward fluency without fear or temporary shortcuts?

Over the two days, participants will focus on three areas for developing strong addition fact fluency that will last for years:

Modeling

- Structure a routine for using 5-minute Number Talks that allow students to “discover” mental strategies for mastering facts
- Develop your own bank of Number Talks specifically tailored to addition basic fact mastery
- Connect various models for addition that both illustrate conceptual properties and help students visualize their mental strategies

Monitoring

- Incorporate a system for using quick formative assessment that provides individualized student feedback and targets specific instructional goals

Mastering

- Compile a bank of powerful targeted games and instructional tools that support fact mastery
- Learn to match formative instruction with specific games
- Become familiar with math menu as a model for differentiating instruction

COACHES CORNER: The last hour of each session will be reserved for coaches and administrators interested in bringing the approach to a more systematic implementation: incorporating these structures into data team PLC systems, creating a vision and timeline for school- /district-wide implementation, and supporting teachers who are just getting started.



Dates:

February 7 and
March 18, 2020

Time:

9:00 – 3:00 pm
Coaches Corner 3-4 pm

Location:

Hampton Event Center
Colchester, VT

Cost:

CVEDC Members: \$400
Non-members: \$450

*includes game materials
(dice, cards, etc.) and
meals for both days.

To Register: www.cvedcvt.org
Questions? info@cvedcvt.org

Or call: 802-497-1642



Are you a CVEDC Member?
All schools in Addison, Chittenden, Grand
Isle and Franklin Counties &
Montpelier/Roxbury are members.