



Champlain Valley Educator Development Center

Collaborative Professional Learning to Support Vermont Schools



Multiplication Fact Fluency Series

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

Christian Courtemanche, Instructor

(Chittenden East District Math and Science Instructional Coach and longtime CVEDC presenter)

Target Audience: Grades 2-6 educators, special educators, **coaches** and school/district-based teams

Mastery of multiplication facts is a key component for further work with larger numbers, fluency with division, and application to fractions and proportional reasoning. So many students fall into traps of anxiety around mastering their basic facts. Others quickly memorize and then forget, leaving little strategy 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 multiplication 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 multiplication fact mastery
- Connect various models for multiplication 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.

To Register: www.cvedcvt.org

Questions? info@cvedcvt.org

Or call: 802-497-1642



Dates:

March 20 and April 17,
2019

Time: 9:00am - 3:00 pm

Coaches Corner 3-4 pm

Location:

Hampton Conference
Center, Colchester, VT

Cost:

CVEDC Members:

\$ 400

Non-Members:

\$ 450

*includes game materials
(e.g. dice, cards, bingo
chips) and meals for
both days.

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