



Champlain Valley Educator Development Center

Collaborative Professional Learning to Support Vermont Schools

A Sneak Peek: What Works in Math Differentiation and Intervention (Grades 2-8)

Presented by: Kateri Thunder, Ph.D.

Target Audience: Grades 2 – 8 Math Teachers, Interventionists, Special Educators, Administrators

Join us for a sneak peek as we examine what works and doesn't work for math differentiation and intervention. In this institute, we will use **brain and math research** to answer the question: How do we select the right task at the right moment to meet students' needs? We will unpack the foundational ideas for differentiation and then examine strategies for differentiating math tasks based on readiness and interest. Together, we will tackle questions like: When should I use whole group or small group learning? How should I form my small groups? We will analyze instructional strategies for differentiation, including tiered and parallel tasks, open questions, choice boards, and stations. And, we will preview effective evidence-based instructional strategies for math intervention.

Learning Intention and Success Criteria:

We are learning about what works in math differentiation and intervention.

We'll know we've learned this when we can:

- **Describe** what works and what doesn't work as learners move from initial understanding to mastery of math concepts and strategies.
- **Examine** effective strategies for differentiated Tier 1 instruction, Tier 2 intervention, and Tier 3 intensive intervention.



Dates: June 25, 2024

Time:

8:30 Registration & breakfast
9:00 – 3:30 pm

*Breakfast & lunch included

Location:

Hampton Conference Center
Colchester, VT

Cost:

CVEDC member \$250
Non-Member \$300

Note: CVEDC will be running a year-long series next year with Kateri Thunder focusing on what evidence shows works with students in Grades 2-6 in math instruction and intervention. Learn more from our website.

Kateri Thunder, Ph.D. is an educator, researcher, author, and coach who collaborates with learners and educators from school divisions around the world to translate research into practice. Kateri has served as an inclusive, early childhood educator, an Upward Bound educator, a mathematics specialist, an assistant professor of mathematics education at James Madison University, and Site Director for the Central Virginia Writing Project. Kateri researches, writes, and presents on equity and access in education and the intersection of literacy and mathematics for teaching and learning. She has partnered with thousands of educators to catalyze change in their classrooms and schools. Kateri is a best-selling author, along with John Hattie, John Almarode, Doug Fisher, and Nancy Frey, for Corwin's *Teaching Mathematics in the Visible Learning Classroom Series*, *The Success Criteria Playbook*, and *The Mathematics Playbook*.