



• Math Learning Progressions: Additive, Multiplicative and Fractional Reasoning K-5 •

Presenters: Kathy Gingras, M.Ed. & Angela LaCroix, M.Ed.

Audience: Math teachers, math coaches, math interventionists, and special educators who are ready to increase their additive, multiplicative, and fractional reasoning with students in grades K-5.

Description: This workshop and course will demonstrate how the use of routines and clear mathematical language is central to student learning. Participants will practice developing tools and strategies to best reach all elementary students and will understand how patterns and techniques learned in Elementary Grades Math Lab can be used to support students as they work to meet learning outcomes.

Workshop Participants will:

- Describe why conceptual and procedural understandings are important in the classroom.
- Understand and integrate the mathematical progressions for K-5 math.
- Develop a portfolio of mathematical questions to use for furthering student understanding and thinking.

In addition, participants who take the class for credit will use course learning to:

- Design lessons or a unit to implement in their classrooms.
- Observe and provide helpful feedback to a colleague's math lesson, furthering their own learning and practice.
- Share their successes and challenges.

Kathy Gingras, M.Ed. is an elementary math teacher at Williamstown Elementary School.

Angela LaCroix, M.Ed. is an elementary math teacher and math interventionist at Washington Village School.

Workshop Dates:	July 23, 24, 25 9:00 - 3:00
Course Dates:	July dates plus October 2nd and 15th from 1:00 - 7:00 pm (3-credit graduate course)
Location:	Williamstown Elementary School Williamstown, VT
Cost:	\$520 for 3 Workshop Days; \$1590 for all 5 days and 3-credit course

