



## • Math Learning Progressions, K-5 •

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

**Audience:** Math teachers, math coaches, math interventionists, and special educators who work with students in grades K-5.

These workshop days with course options 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.

**Part 1: Understanding Strategies and Order for Additive and Multiplicative Reasoning, K-5**

**Part 2: Understanding Strategies and Order for Fractional Reasoning, K-5 (Part 2 requires participants to be skilled in teaching multiplicative reasoning, including: prime and composite numbers, multiplication, and divisibility rules.)**

In each of these sessions, workshop participants will:

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

Participants who take either part for course credit will use their learning to:

- Research best practices, structures, and expectations that create a culture of learning and meet the needs of every student in a math classroom. Write a synthesis paper showing these new understandings.
- 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 for grades 3-5 at Williamstown Elementary School. Angela LaCroix, M.Ed. is an elementary math teacher for grades kindergarten - 3, and a math interventionist for grades kindergarten - 7, at Washington Village School.*

**Dates:** Part 1 Dates: July 8, 9, 10; & October 2, 2019  
Part 2 Dates: July 11 and 12

**Cost:** \$510 - Part 1 Workshop only  
\$1060 - Part 1 Workshops plus additional work - 2 graduate credits

\$380 - Part 2 Workshops only  
\$530 - Part 2 Workshops plus additional work - 1 graduate credit  
\$775 - If participating in Part 1 and Part 2 workshop days without course option

**Place:** Williamstown Elementary School – Lunches included

**Time:** 8:30 - 3:30



Use our [website](#) for registration, and [Facebook](#) and [Twitter](#) for additional news, resources, articles, etc.