



CarrollMath

Summer Teacher Training Workshops

**Hosted By The Carroll School
1841 Trapelo Road, Waltham, Massachusetts**

**Building Math Minds Through Story Problems and Number Sense
Presented by Christina Tondevoid**

**Monday-Wednesday, August 15-17, 2016
8:30 am - 3:00 pm 18 PDPs Included
Workshop Fee - \$600**

Attendees of this three-day workshop for K-3 teachers will learn to:

- Take a student-centered approach to teaching math.
- Use games and activities to build number sense that supports student understanding of operations.
- Support student progress through the stages of developmental understanding identified by Cognitively Guided Instruction (CGI).
- Use context to help students construct conceptual understanding of operations.
- Use structured tools, including the rekenrek, in ways that build fluency through number sense.
- Employ problem-solving techniques to help students navigate word problems.
- Connect early number sense to early multiplicative thinking and fractional understanding.

**3-Act Math Tasks: Engaging Students in Real Problems
Presented by Graham Fletcher**

**Thursday-Friday, August 18-19, 2016
8:30 am - 3:00 pm 12 PDPs Included
Workshop Fee - \$400**

This two-day workshop is geared for teachers of grades 3 through 6 math content. Participants will:

- Engage in grade appropriate 3-act tasks and understand how the implementation of low-entry, high-scalability tasks can be used to reach all students.
- Explore the use of 3-act tasks as regular practice. Participants will identify when and how these lessons can be used throughout the scope of a unit.
- Understand how problem-based lessons can be used within the instructional framework (opening, work session, close), and the purposeful moves required to orchestrate an effective closing session.
- Identify ways in which problem-based lessons can be used as formative assessment to monitor student growth.
- Connect 3-act tasks to conceptual learning and application, and the role they play in modeling with mathematics.
- A webpage containing workshop resources and handouts will be specifically built for the teachers participating in this Carroll School workshop.

**For workshop and registration information, please contact Ann French:
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