Connecting Arithmetic to Algebra
for teams of teachers grades 1-7

On-line professional development based on your own classroom instruction which offers personalized feedback throughout the school year

CAA OBJECTIVES
This professional development experience focuses on mathematical reasoning, the meaning of the operations, and representational tools for expressing and investigating mathematical ideas. CAA content and pedagogy helps teachers to support a range of mathematics learners, including those who have difficulty with grade-level mathematics and those who need additional challenge.

Participants will:
- Examine cases of students engaged in the process of noticing and expressing regularities in the number system, working to understand those claims, and learning how to prove them.
- Learn particular pedagogical strategies to initiate and sustain students' mathematical reasoning and discussions.
- Record and analyze the thinking of your own students.
- Consider generalizations that arise in the context of computation in their grade level.
- Develop a repertoire of representations for each operation.
- Articulate generalizations in common language and in algebraic notation.

CAA DETAILS
- **CAA time blocks span the school year:**
  - September-October, 2013  
  - January-February, 2014  
  - April-May 2014

- **Webinars:** Two 2-hour webinars in each time block

- **Online Postings:** Analyses of CAA readings, math work, and examination of classroom math discussions. Facilitators provide detailed individualized feedback based on classroom reports at three times during each time block.

- **Cohort Group:** Interact with 20 to 24 colleagues from all over the country.

- **Credit Option:** Participants in CAA are eligible to receive 6 graduate credits from Mount Holyoke College for an additional fee.

APPLICATION PROCESS
Participants apply as teams of 3-5 teachers from a school system. The *Connecting Arithmetic to Algebra* fee of $1500 per person includes a full year of professional development, access to the CAA web-board, six 2-hour webinars, as well as individual feedback nine times during the school year. *(District Teams of five are offered a discounted price of $6000.)* To request application materials, please call: 413.538.2063 or email vbastabl@mtholyoke.edu. For more information, go to [www.mathleadership.org](http://www.mathleadership.org).