

## Hands-on Algebra Workshop Series in Fall of 2013

### Five New Lessons to Engage your Students

**Save these dates:**

- August 23 (Friday)
- September 6 (Friday)
- September 20 (Friday)
- October 4 (Friday)

**What:** Training to deliver five applied algebra lessons on quadratic functions

**Who:** Teachers of Algebra I, Algebra II (early review stage), or a technical education course

**When:** 4PM light dinner and 4:30 – 7:30PM Interactive Workshops

**Where:** Placer COE Annex, Nobili Room (365 Nevada Street, Auburn) - August 23 & September 6  
Placer COE Main, Burns Room (360 Nevada Street, Auburn) - September 20 & October 4

**Details:**

This applied algebra unit helps students create connections between algebraic principles, concepts, and skills and real world applications in the fields of Science, Technology, and Engineering (STEM). Through the use of mathematical practices connected to Common Core State Math Standards, students learn to demonstrate conceptual understanding of key algebraic concepts. The demonstrations, experiments, and projects in this unit assist students to apply math concepts and calculations through experiential learning to anchor their math knowledge. The curriculum is designed for student exploration of quadratic functions through graphing, factoring, and transformation. A culminating activity involves building and launching a projectile from a catapult, collecting data, and writing a corresponding function. The curriculum challenges students to analyze and synthesize data in order to make predictions and test hypotheses.

**Cost:** Grant funded at no cost to participating teachers.

**Stipend:** There is a **\$400** stipend paid to each teacher upon completing all four workshops and the follow-up testing of the workshop materials to evaluate their effectiveness. The class will close with the maximum of 30 participants.

**For Information about this course please contact:** Sandra Scott (916) 871-2308

**Register:** <http://sites.placercoe.k12.ca.us/Power/events.aspx>