# Cool Projects = Hot Results
## in Raising Algebra & Geometry Test Scores

***Implement curriculum-aligned projects and instructional techniques that are proven to increase both the math skills and standardized test scores of students at all levels.***

***A 2-day workshop for middle school and high school mathematics teachers of grades 7 through 12 who want to engage students in conceptual learning while addressing the traditional curriculum***

Are both you and your students tired of the same thing, day in and day out? Have your latest attempts to try something new increased your work load instead of your students' test scores? It is time to work smarter, not harder.

By participating in classroom-proven projects, viewing actual student work, and observing various models of instruction and facilitation, you will learn how to *immediately integrate* projects into your curriculum. Since you must reach students before you teach students, you will learn how to use intriguing questions and engaging activities to entice your students to learn rigorous mathematical content.

Cool projects will get the hot results you want! Learn how to liven-up your classroom, catch your students' interests, and deliver powerful mathematics instruction. This workshop will go beyond the fluff and the trends, and empower you with effective tools and techniques to teach your students what you truly want them to know. Just as importantly, you will be challenged to reassess the very nature of how you teach and what you teach.

## In This Workshop You Will Discover:

**How to fit projects into the traditional curriculum**
- What fits? Choosing the right projects to match your teaching style and experience
- Where do they fit? Finding or creating projects for any topic you wish to teach
- When do they fit? Using a project as a hook, instructional device, or resource for review
- How do they fit? Making time in an already jamb-packed school year
- Why do they fit? Using projects as powerful instructional and assessment tools
- Don't throw a fit! You can go beyond lecture notes and answer columns and still make it home in time for dinner.

**How projects change your teaching**
- Enhance your level of questioning.
- Teach concepts as well as algorithms.
- Teach to understanding rather than memorization.
- Deliver dynamic lectures with interesting problems and tantalizing presentations.
- Incorporate innovative grouping strategies that ensure student success.

**How to formulate your standards**
- What do you really want your students to know and be able to do?
- What are they learning instead?
- Uncover knowledge rather than just cover material.

**Ideas for new mathematics projects**
- Princess Dido and the Ox Skin
- Action Figures and Ratios
- The Jogging Hare
- How High? Measuring Unreachable Heights
- The Student-Generated Word Problem
- The Pizza Box
- The Coin Fountain
- The Shopkeeper's Jar
- Original Works and many more

**Nuts & Bolts Strategies to Streamline Paperwork**
- Holding kids accountable without grading every assignment
- Testing strategies that encourage students to study and not give up
- Increasing student competency without increasing paperwork
- Strategies to keep large class sizes from burying you in paper
- Specific testing and grading policies which truly motivate students to both learn math and score well

**Context matters**
- Weave a story around a concept.
- Pull math from a story.
- What about applications?
- Move your students forward by teaching backwards.

*Chris Shore*

**Dynamic projects help *3 times as many* students pass the California state achievement test.**

**Prime Presentations**
**(888) 917-3950**

**Mathematics**
**Grades 7-12**
**2 Days**