

## **Information**

### **Apply online at:**

<http://santaclara.k12oms.org/eventdetail.php?id=35227>

### **Location:**

Silicon Valley Location  
TBD

### **Training Dates:**

August 2-5, 2010

August 9-12, 2010

September 4 & 18, 2010

October 9 & 23, 2010

November 6 & 13, 2010

## **Sponsors:**



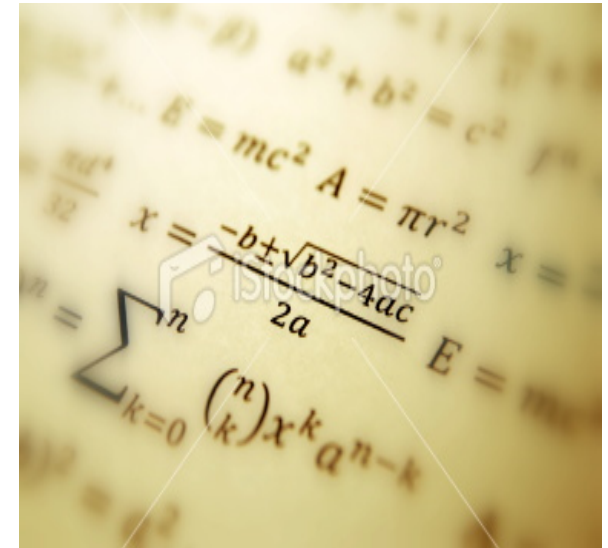
Santa Clara County  
Office of Education

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Lead Sponsor: Intel



# **Silicon Valley: A Laboratory for Learning 80-hour Intel Math**

Summer/Fall Semester 2010



Santa Clara County  
Office of Education



Silicon Valley: A Laboratory for Learning is an initiative of the Silicon Valley Leadership Group in partnership with its member companies, Intel Corporation and the Santa Clara County Office of Education to help provide local K-8 teachers with tools to be successful in the classroom.

- Teachers develop math skills through a content-rich **80 hour course**.
- The **Intel Math** training is derived from a professional development program that successfully links course completion with improved student achievement.
- The math content (90%) focuses on number theory, operations, functions, and algebra; the interrelatedness of arithmetic, algebra and geometry; and presents mathematics as a second language.
- The instructional content (10%) includes topics on: representations, differentiation, manipulative, and how students make sense of equality, place value, and fractions.
- A mathematician and mathematics educator will co-facilitate the course.
- The **80-hour Intel Math** will take place from August to November. The first session will take place during **August 2010**; the second session will take place during the first semester of the 2010-2011 school year (September-November).

- Participants are required to attend all training dates, complete teacher agreement form, complete homework, complete evaluation surveys, and complete pre and post-tests.
- Participating teachers who complete the entire 80 hour will receive a stipend of \$1,250 courtesy of the Silicon Valley Leadership Group and its Sustainable Valley Foundation. Participants may elect to receive graduate course units through University of the Pacific and the remaining balance of the stipend.
- All training and course materials are free. Professional Learning Communities are being developed to coincide with training.

### Big Ideas

- Mathematics as a second language
- Arithmetic, geometry, and algebra are closely intertwined and not separate subjects
- Mathematics is problem solving
- Alternate visual representations can help illuminate the mathematics associated with a problem
- There are many ways to solve a problem
- In mathematics, we strive for the simplest possible explanation

### Expectations!

1. Positive Attitude
2. Active Participation
3. Patience
4. Commitment
5. Risk Taking
6. Curiosity & Persistence
7. Punctual Daily Attendance
8. Support of Collegial Learning Community
9. Timely Completion All Assignments
10. Become a More Confident Mathematician

### Examples of Districts Served in Past Years:

Santa Clara	Campbell Union
Sunnyvale	Mount Pleasant
Gilroy	Mountain View Whisman
Alum Rock	San Mateo – Foster City
Orchard	Fremont Unified

#### **What Past Participants Had to Say:**

*"I thought that the math curriculum not only helped me to remember certain topics, but also helped me to better explain those topics in my classroom."*

*"All the trainers were knowledgeable and very helpful."*

*"It opened my eyes to different ways that students might learn math."*