

**Stanislaus County Office of Education  
June 2007 Math and Science Newsletter**

**Summer Math Content training**

The Central California Mathematics Project is hosting a series of 2 day workshops this June. The theme is *“learn how to engage students in learning and understanding mathematics”* and is hosted at California State University Stanislaus. These two day workshops are only \$ 75 dollars to attend, and continental breakfast and a full lunch are included in your registration. Here is what is available in June:

**Monday – Tuesday, June 25 and 26, 2007**

**8:00 a.m. – 4:00 p.m.**

- **Teaching Subtraction** for teachers in grades K-3 – an in depth review of content and strategies
- **Teach, Review, and Re-teach: Number Sense and Algebraic Thinking** for teachers in grades 5-7

**Wednesday – Thursday, June 27 and 28, 2007**

**8:00 a.m. – 4:00 p.m.**

- **What is Slope?** For teachers in grades 6-8
- **Learning Perimeter, Area, and Volume** for teachers in grades 4-6

To register online, go to <http://csmp.ucop.edu/cmp/ccmp/calendar.php>

**You may purchase 1 unit of University credit** after completing each course for only \$ 65 dollars. For further information about these classes, please contact Rita Glynn at [rglynn@csustan.edu](mailto:rglynn@csustan.edu)

**ETEC Teacher Research Academies in Science Technology**

The Edward Teller Education Center (ETEC) in collaboration with LLNL and UC Davis offers summer workshops in the areas of biotechnology, biophotonics, energy and environmental technologies, and fusion/astrophysics. These workshops run during the weeks of June 20 – through August 3, 2007 at a variety of locations in Northern California, including Sacramento, Fresno, Stockton and Livermore. Some academies are three days, while others are five days. To find out more information or to register for a summer workshop, go to <http://etec.ucdavis.edu/academies/>

You can also contact Carey Kopay, the Executive Director, at 1 – 925 – 422 – 1314. Or you can email her at [ckopay@ucdavis.edu](mailto:ckopay@ucdavis.edu) **The registration deadline is June 15<sup>th</sup>, 2007** for these summer courses. They are looking for teams of teachers to attend from the Stanislaus County area, preferable science teachers from middle schools and high schools. **These are high quality summer courses designed for classroom teachers, and they are FREE.** I would encourage you to find out about these cutting edge professional development sessions and consider attending as part of a school team.

**Project WILD**

The Project WILD workshop is designed to demonstrate to educators how useful the materials and program are in helping to integrate environmental education and to also meet California’s academic grade level standards. This 8 hour workshop includes both the Basic Workshop in the morning and the Facilitator training after lunch. At lunch, those who want only the basic training are free to leave, and those who would like to stay and continue training will be certified as a trainer of Project WILD. This is offered on **Wednesday, June 13<sup>th</sup>, 2007 from 9:00 – 5:00 p.m. at the Great Valley Museum of Natural History**, located adjacent to Modesto Junior College on Stoddard Ave. The cost is only \$ 25 dollars, payable to the CA Wildlife Foundation. For registration or more information, please contact Bobbie Winn at [bwinn@dfg.ca.gov](mailto:bwinn@dfg.ca.gov) or call her at 1 – 888 – 945 – 3334. This workshop is sponsored by the California Department of Fish and Game and the Great Valley Museum.

### Meaningful Mathematic Education Summer Institute

Enjoy beautiful Monterey Bay and participate in a summer math institute funded by a grant from the National Science Foundation. **The institute is June 25 – 29, 2007 at the Beach Resort in Monterey.** Institute choices include: Meaningful Algebra for All Students; Meaningful Geometry for All Students; Designing Group work in Mathematics; and others. College credit is also available up to 2 semester units through Sonoma State University. The cost of the week long professional development is only \$ 600 dollars. For additional information or to register contact Margaret DeArmond, Kern High School District. You can email her at [Margaret\\_dearmond@khsd.k12.ca.us](mailto:Margaret_dearmond@khsd.k12.ca.us) or phone her at 1-661-827-4511. Or you can contact Jim Short at Oxnard High School District. His email is [jshort@ouhsd.k12.ca.us](mailto:jshort@ouhsd.k12.ca.us) or call him at 1-805-385-4705

### Science Summer training

The Lawrence Hall of Science at the University of California at Berkeley is sponsoring a number of professional development workshops this summer associated with GEMS (Great Explorations in Math and Science). There are three sessions available for teachers to attend.

- **July 9 – 10, 2007 GEMS Seeds of Science /Roots of Reading workshop for teachers in grades 2 - 3.** Cost is \$ 430 dollars which includes materials and lunch each day. Each participant will also receive 23 free student copies of the Seeds/Roots student readers, which are part of the curriculum.
- **July 11 – 12, 2007 GEMS Space Science Sequence for Grades 3-5 workshop.** Cost is \$ 320 dollars and includes Teachers Guide, CD –ROM, student sheets and transparencies, and lunch each day.
- **July 25 – 27, 2007 GEMS Associates workshop.** Cost is \$ 430 dollars and includes your choice of 10 GEMS Teachers Editions, 3 GEMS handbooks, and lunch each day. In addition, each participant will receive one FREE GEMS kit, courtesy of a donation from Carolina Biological Supply.

Registration for these workshops is available on the GEMS web site. Go to <http://www.lhsgems.org/gemsworkshops.html>

### Interactive and Hands On Math applications from NASA

NASA has teamed up with the FAA to develop a program called “**Line Up with Math**” which challenges students to apply proportional reasoning and distance – rate – time relationships to make decisions in a realistic air traffic controller simulation. The challenge for the students in each problem is to “line up” the planes safely, with proper spacing, at a given intersection of jet routes. This is a product of the NASA Ames Research Center and is designed as an effective and fun way to educate students using multiple math methods, reality based experiments, movies, and a web based simulator. **All materials are FREE online.** Check out this resource at <http://www.smartskies.nasa.gov>

These materials have been classroom tested with thousands of students’ nation wide, and there is even a correlation to the California state math standards on the web site.

### Saturday Math workshop

The Stanislaus Math Council and the Stanislaus County Office of Education are hosting a fall math workshop on **Saturday, October 27<sup>th</sup>, 2007.** The featured speaker will be Greg Tang, author of numerous books, including *The Grapes of Math* and *Math for All Seasons*. In addition to the keynote speaker, there will be many breakout sessions for all grade levels K-12, free prize drawings, and include a continental breakfast and lunch. Save the date on your calendar as registration will be limited to 300 people. The cost will be only \$ 75 dollars and all proceeds from the conference will help support the Stanislaus Math Council activities, including Math in the Mall, Sixth Grade Math Blast, Dick Schaff Jr. Junior High Super Bowl, and the High School Math competition. You won’t want to miss this one day conference. Registration will begin in August and be available on the county website.