

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

**Saturday Math at CSUS**

- Saturday, May 12<sup>th</sup>, 2007 – titled “*Iterate as Needed – Making Mathematics Dynamic*” for teachers in grades 6 – 12.
- The cost of this Saturday workshop is only \$ 20 dollars, with a continental breakfast and lunch included. Math workshops are Saturdays from 9:00 – 3:00 p.m. Walk in registrations are also accepted the day of the workshop.

You can register for any of these workshops at <http://csmp.ucop.edu/cmp/ccmp/calendar.php>

**Online Workshops for Free**

The Math Forum at Drexel University School of Education is supported by the National Science Foundation and is intended to explore the use of technology as a tool for building math concepts. **They are offering a series of FREE online courses for educators, co-sponsored by Microsoft Corporation.** This is a limited time offer, with all costs and fees covered by a grant from the National Science Foundation. There are currently two workshops you can register for.

- Teachers in grades 3 - 5. **Tools for Building Math Concepts.** This online workshop introduces the use of computers to develop the concepts of multiplication, division, fractions and decimals.
- Teachers in grades 5 – 9. **Using Technology and Problem Solving to Build Algebraic Reasoning.** This online workshop explores how technology can help students build algebraic reasoning.

For further information on this and other tools from Drexel University, go to

<http://mathforum.org>

**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)

**Summer Math Academy – Five Steps to a Balanced Math Program**

*Are you looking at how to increase student understanding of mathematics? Do your students struggle with problem solving or application of math knowledge?* Stanislaus County Office of Education is offering a summer math academy **June 13 – 15, 2007** featuring Larry Ainsworth, author of the book “**5 Steps to a Balanced Math Program**”.

Larry is also the Executive Director of Professional Development at the Center for Performance Assessment in Denver. He works along side Doug Reeves in designing summer workshops at the Center for classroom teachers. This workshop series will help teachers to deliberately deliver a balance of instruction and assessment that will help students solve problems and build their computational skills. The cost of the 3 day workshop is \$ 300 dollars, and registration will be limited to 50 participants. Additional information can be found at the county web site at <http://www.stancoe.org> Click on *workshops*, and then click on *summer academy*.

Participants can earn 1.5 units of credit from Adams State College for only \$ 112.50. Adams State College is located in Colorado and has a longstanding partnership with the Center for Performance Assessment.

**Delta Sierra Science Project**

Our region is hosting a variety of summer science workshops for teachers, funded by the University of California and the California Science Project. Registration is available on the web site at <http://csmc.ucop.edu/dsspoinstitute2>

If you teach in grades 4-8, there is a summer institute for you that address the strands of science and your grade level content standards. I would encourage you to look at the various offerings; the cost of the institute is \$ 475 dollars, ***but all teachers will receive a \$ 1200 dollar stipend for completing this year long science project.*** The Delta Sierra Science Projects are taught by classroom teachers alongside scientists. ***Five semester units of University credit*** are also available to participants who complete this training. There is limited funding and space – I encourage you to apply early in order to take advantage of this terrific series of science workshops. If you have specific questions about the available workshops for your grade level, contact Judi Wilson at 209 – 468 – 4880. Judi is the Director of Science Education for the California Science Project. Her email is [jwilson@sjcoe.net](mailto:jwilson@sjcoe.net)

**AIMS Education:**

New Online Resource! Find and download the AIMS activity you need in minutes! There are over 1500 AIMS math and science activities online in PDF format. You can search by title, standard, or topic; preview activities you might be interested in, then purchase (most are only \$2) and download your chosen activities immediately. Go to the “E-Activities” at: [http://www.aimsedu.org/aims\\_store/pages.php?pageid=5&action=srchForm](http://www.aimsedu.org/aims_store/pages.php?pageid=5&action=srchForm) to explore this valuable new resource.

For more information about AIMS Education Foundation check out their website at:

<http://www.aimsedu.org>

**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.