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Informational /Issues Update (Federal/State/Regional/County/Committees)

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Local Focus

MCOE will continue to provide one-day, grade level specific workshops comparing the national CCSS with our current California State Standards, and developing grade-specific lessons for teaching the content found in both the CCSS and our current standards.

The lesson design will incorporate the Eight Mathematical Practices of the CCSS:

1. Make sense of problems, and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Contact Linda Dilger (831) 755-0393 for information on how your district can participate.

LARS Mathematics CCSS Workshop

December 4, 2012 & January 29, 2013

Regional MATH CCSS Meetings

South County Soledad Jack Francioni School

November 5, 2012 & April 15, 2013

Salinas MCOE

October 11, 2012 & March 14, 2013

Monterey MPUSD IMC

December 5, 2012 & March 6, 2013

Asilomar Mathematics Conference November 30-December 2nd, 2012. Keynote speakers will be Kathlan Latimer, Ruth Parker, Harold Asturias, Patrick Callahan and Dan Meyer. Go to <http://cmc-math.org/>

Mathletics 2013, May 11, 2013. Naval Postgraduate School

Federal Focus

(1) Common Core Implementation Video Series

Source: Council of Chief State School Officers

URL: http://www.ccsso.org/Resources/Digital_Resources/Common_Core_Implementation_Video_Series.html

To aid states as they continue to implement the Common Core State Standards (CCSS), the Hunt Institute and

the Council of Chief State School Officers commissioned a series of video vignettes to explain the CCSS. Several of the key CCSS writers were asked to talk about how the Standards were developed and the goals they set for all students.

The videos were developed to help educators, policymakers, and parents to understand the breadth and depth of the CCSS and how the Standards were designed to improve teaching, create shared expectations, and cultivate lifelong learning for all students. The videos are organized into separate Mathematics and English Language Arts sections and demonstrate critical concepts related to each.

(2) Free Webinar Series: Preparing for the Next Generation Science Standards--Major Practices

Source: National Science Teachers Association

URL: http://learningcenter.nsta.org/products/symposia_seminars/NGSS/webseminar.aspx

The Next Generation Science Standards (NGSS) are expected to be released next year. The Standards are based on *A Framework for K-12 Science Education*, released in 2011 by the National Research Council (NRC). The Framework describes the major practices, crosscutting concepts, and disciplinary core ideas that all students should be familiar with by the end of high school.

The National Science Teachers Association is presenting a series of free Web seminars on the practices described in the *Framework*. Each webinar focuses on a particular practice outlined in the Framework and will provide information on the following:

- The key elements of the practice
- How the practice is part of the broader set of practices that work together (and how no practice is taught in isolation)
- How the practice can be used in combination with disciplinary core ideas and crosscutting concepts to form performance expectations
- What the use of the practice really looks like in the classroom.

Dates and webinar topics follow below (all times are 3:30-5:00 p.m. PT):

September 25: Developing and Using Models

October 9: Planning and Carrying Out Investigations

October 23: Analyzing and Interpreting Data

November 6: Using Mathematics and Computational Thinking

November 20: Constructing Explanations and Designing Solutions

December 4: Engaging in Argument from Evidence

December 18: Obtaining, Evaluating and Communicating Information

For links and more information, visit http://learningcenter.nsta.org/products/symposia_seminars/NGSS/webseminar.aspx

(3) Science, Technology, Engineering, Mathematics (STEM): Catalyzing Change Amid the Confusion

Source: Center on Instruction

URL (Document): <http://centeroninstruction.org/science-technology-engineering-mathematics-stem-catalyzing-change-amid-the-confusion>

URL (Webinar): <http://centerforinstruction.org/webinar-stem-catalyzing-change-amid-the-confusion>

Three weeks ago, the Center on Instruction hosted a webinar that focused on its recently-released document, *Science, Technology, Engineering, Mathematics (STEM): Catalyzing Change Amid the Confusion*, which offers an overview of the role of STEM in current educational improvement efforts. In the webinar, Craig Strang, Vanessa Lujan, and Lynn Barako of the Lawrence Hall of Science provided a brief history of STEM initiatives and important trends, with the goal of dispelling confusion about the goals and approaches of STEM initiatives (e.g., the perceived dichotomy of preparing a 21st century workforce or increasing STEM literacy for all citizens). Several views of what the term "STEM" refers to are also presented. Links to the archived webinar and to the accompanying PowerPoint presentation are available on the Web site above.

(4) NSF DR K-12 Program Webinar

Source: Community for Advancing Discovery Research in Education (CADRE)

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=500047&org=NSF&sel_org=NSF&from=fund

URL (RFP): http://www.nsf.gov/publications/pub_summ.jsp?WT.z_pims_id=500047&ods_key=nsf11588

The National Science Foundation's Discovery Research K-12 (DR K-12) program supports projects that develop and study resources, models, and technologies for STEM education. All DR K-12 projects should be framed around a research question or hypothesis that addresses an important need or topic in preK-12 STEM education.

Information about this program, as well the recently-released DR K-12 solicitation for grant proposals, will be shared during webinars on September 25 and October 18 from 10 a.m.-11 a.m. PT. To register for one of these sessions, please use this link: <https://www.surveymonkey.com/s/drk12> Space is limited, so please register as soon as possible if interested in participating.

- DR K-12 Letters of Intent are due on October 4, 2012 at 5 p.m.

- Full proposals are due on December 6, 2012 at 5 p.m.

CADRE, the resource network for DR K-12 grantees, is hosting the event. To learn more about CADRE, please visit the following website: CADREK12.org

(1) STEM and Common Core Resources from the California Department of Education

URL (STEM): <http://www.cde.ca.gov/pd/ca/sc/stemintrod.asp>

URL (CCSS): <http://www.cde.ca.gov/re/cc/>

The California Department of Education's STEM Resources Web site (<http://www.cde.ca.gov/pd/ca/sc/stemintrod.asp>) continues to expand with useful links in categories such as STEM-related Classroom Resources, Initiatives and Networks, Career Preparation/Readiness, Online Libraries and Centers, Professional Organizations, Programs of Study, and Publications.

The most recent version of the "Common Core State Standards (CCSS) Systems Implementation Plan for California" that is posted on the California Department of Education CCSS Web site "identifies major phases and activities in the implementation of the CCSS throughout California's educational system." Download this document from <http://www.cde.ca.gov/re/cc/documents/ccssimpsysplanforcajul2012.pdf>

CDE recently updated its CCSS "Frequently Asked Questions" Web page: <http://www.cde.ca.gov/re/cc/ccssfaqs2010.asp> A number of questions are answered regarding the implementation of the CCSS, professional learning, curriculum frameworks and instructional materials, assessment, career and college readiness, and technology.

In addition, CCSS information and resources for students, parents, and guardians can be found at <http://www.cde.ca.gov/re/cc/stpagu.asp> Numerous CCSS resources for educators, administrators, and higher education faculty can be found at <http://www.cde.ca.gov/re/cc/educators.asp>

Related Documents:

(a) "Transitioning to the Common Core State Standards" by Sue Gendron

URL: <http://www.peopleseducation.com/assets/content/files/PeoplesEd-Common%20Core.pdf>

(b) K-12 Publishers' Criteria for the Common Core Standards for Mathematics

URL: http://corestandards.org/assets/Math_Publishers_Criteria_K-8_Summer%202012_FINAL.pdf

(2) Brokers of Expertise: California's Virtual Center for Teacher Collaboration and Resources

URL: <http://myboe.org/>

The California Department of Education (CDE) sponsors the Brokers of Expertise (BoE) website (<http://myboe.org/>) and invites you to be part of its growing community! BoE seeks to be a "one-stop-shop" for educational resources as well as a major collaboration center for California's teachers. Its success will be largely dependent on the active engagement and contributions of teachers, administrators, and other education professionals.

The BoE website is comprised of three primary areas: Resources ("Find lessons and Web activities, videos and other resources for use in your classroom"), Community ("share a wealth of expertise and best practices"), and Training (professional development opportunities). An informative webinar on the features of the BoE website is available at <http://tinyurl.com/BoEOverview>

Although registration isn't required to access most of the features of the BoE portal, registration is a simple process and is recommended in order to take advantage of all of the site's features such as contributing comments and participating in Community Groups, a primary site feature. (Visit <http://myboe.org/portal/default/Group/Viewer/GroupView?action=2&gid=1626> to join the STEM Community Group, for instance.) When he unveiled the portal two years ago, then-State Superintendent Jack O'Connell said, "The Brokers really will create a virtual community for our professional educators, much like Facebook. They will be able to utilize and take charge of their own professional development from now and into their future" (<http://www.kpbs.org/news/2010/sep/23/facebook-created-california-teachers/>).

BoE has recently linked its database of resources to the Common Core State Standards. Visit <http://myboe.org/portal/default/Standards/Browser?action=2&view=level&id=6241> and <http://myboe.org/portal/default/Standards/Browser?action=2&view=level&id=6713> for the CCSS-Mathematics links. In addition, a new CCSS Community Group has been added at <http://www.myboe.org/go/groups/ccss> The main collection of standards is available at <http://myboe.org/portal/default/Standards/Browser?action=2&view=main>

Of particular interest, is an invitation by State Superintendent of Public Instruction Tom Torlakson to "share your vision" for both education technology and for STEM education in California schools. Please see below:

*** Education Technology:**

URL: <http://myboe.org/portal/default/Group/Viewer/GroupView?action=2&gid=2898>

"The California Department of Education is rewriting the Education Technology Plan. Here is how you can contribute to this important work:

1. Review the recommendations received in August 2012 from the Superintendent's Education Technology Task Force (available online at <http://tinyurl.com/edtechtaskforce>)
2. Comment on the recommendations
3. Attend a briefing on the recommendations (schedule available on BoE website above) or view an archived briefing posted on the BoE website
4. Submit research, case studies, and other information for consideration."

*** STEM Education**

URL (STEM Task Force on the BoE website):

<http://myboe.org/portal/default/Group/Viewer/GroupView?action=2&gid=2874>

"We want to hear from you. Share your vision for STEM education in California schools. Tell us what you want the future to look like for our students and teachers. Also share information on existing K-12 STEM programs and resources in California. Feel free to post URLs too."

For information about the draft **Career Technical Education (CTE) Model Curriculum Standards**, please visit <http://www.cde.ca.gov/ci/ct/sf/ctemcstandards.asp> The BoE website contains links to resources supporting the 15 industry sectors at <http://myboe.org/portal/default/Standards/Browser?action=2&view=level&id=28>

(3) High School Mathematics Teachers Sought for CAHSEE Data Review

URL: <http://www.formstack.com/forms/?1272381-A5DOP4SFjl>

Educational Testing Service (ETS), the contractor for the California High School Exit Examination (CAHSEE), is inviting California educators to review the performance of writing prompts and multiple-choice items that have been field-tested. The date and location of the Data Review for math teachers is Tuesday, November 13, 8:00 a.m.-5:00 p.m. at the ETS Office: 1600 K Street, Suite 4A in Sacramento, CA 95814 (phone: 916-403-2402). This review can give teachers unique insight into the general processes of the CAHSEE program.

ETS will reimburse any substitute teaching payment required in order to attend this meeting. ETS will also arrange for air travel, meals, and hotels. For more information and to apply, please visit the Web site above.

The deadline for submitting an application and resume is this Friday, September 21.

(4) California Mathematics Council Conferences for Fall 2012

*** California Mathematics Council – South (Palm Springs) Conference**

- **Dates:** November 2-3, 2012

- **Location:** Palm Springs Convention Center; 277 N. Avenida Caballeros; Palm Springs, CA 92262

- **Student Hosts:** Students who serve a 4-hour shift as a Student Host will receive free registration and a free one-year membership in CMC: <http://tinyurl.com/8tuersh>

- **Conference Website:** http://cmc-math.org/activities/south_conference.html

*** California Mathematics Council-North (Asilomar) Conference**

- **Dates:** November 30-December 2, 2012

- **Location:** Asilomar Conference Grounds; 800 Asilomar Ave.; Pacific Grove, CA 93950

- **Student Volunteers:** Preservice teachers who serve as volunteers receive free registration and other benefits. Visit the website below toward the end of September or the first part of October for information about this opportunity.

- **Event Website:** http://cmc-math.org/activities/north_conference.html

(5) Financial Support for California Teachers Pursuing National Board Certification in 2012

Source: Kay Garcia, Outreach Director, NBPTS - KGarcia@nbpts.org

URL: http://www.nbpts.org/userfiles/file/NB_Overview_2012.pdf

This is the final year of a federal fee subsidy program that provides 50% of the first-time candidate fee for California teachers and school counselors who are candidates for National Board for Professional Teaching Standards (NBPTS) Certification. If you are eligible to become a National Board candidate and have not received this \$1250 federal subsidy in the past, then you will automatically receive the subsidy if you register to be a National Board candidate by December 31, 2012 (see http://www.nbpts.org/become_a_candidate/eligibility_policies for eligibility requirements).

For additional information, read the 2012 "Overview of National Board Certification for California Teachers and School Counselors" at http://www.nbpts.org/userfiles/file/NB_Overview_2012.pdf