



Science Give Away Day planned!

We are cleaning our shelves and closets! The Science Curriculum department is planning to hold a Give Away Day on Tuesday, May 15th from 9-5 in the Red Room at the ASD Education Center (formerly the Boniface Center). More information coming later.

Chandra X-ray Observatory

Since its launch on July 23, 1999, the Chandra X-ray Observatory has been NASA's flagship mission for X-ray astronomy, taking its place in the fleet of "Great Observatories."



Chandra detects and images X-ray sources that are billions of light years away. The mirrors on Chandra are the largest, most precisely shaped and aligned, and smoothest mirrors ever constructed. If the surface of Earth was as smooth as the Chandra mirrors, the highest mountain would be less than six feet tall! The images Chandra makes are twenty-five times sharper than the best previous X-ray telescope. This focusing power is equivalent to the ability to read a newspaper at a distance of half a mile. Chandra's improved sensitivity is making

possible more detailed studies of black holes, supernovas, and dark matter.

If you are interested in receiving the Chandra Digest approximately every two weeks including the latest press releases and/or images from Chandra , you can sign up online at:

http://chandra.harvard.edu/chronicle/news_priv.html

Summer Workshops for teachers will be held this summer in California, Texas, Massachusetts, Montana and Louisiana. Please visit the following web-site for more information:

http://www.tufts.edu/as/wright_center/work_con_lec/wkshps07.html

If you are interested in purchasing educational materials and/or images generated by Chandra please go to:

http://chandra.harvard.edu/edu/prod_descriptions.html

Teacher-To-Teacher Initiative Workshops



The Teacher-to-Teacher Initiative has been created by and for America's teachers. It supports teachers' efforts in the classroom through professional development workshops and eLearning and by sharing relevant information through email updates. To learn more about this initiative, go to: <https://www.t2tweb.us/About.asp>

Summer 2007 Schedule

6/21/2007 - 6/22/2007



Phoenix, AZ

Focus: Reading, Science, Math

Grade levels: K-12

7/23/2007 - 7/24/2007



Miami, FL

Focus: Reading, Math, Science

Grade levels: K-12

8/9/2007 - 8/10/2007

Anchorage, AK

Focus: Reading, Math, Science,

History & Art Grade levels: K-12

Partners associated with the Ocean

Alaska Science and Learning Center will be providing some of the science content for the Anchorage workshop.

To learn more about, or to sign up for any of these workshops, go to: <https://www.t2tweb.us/Workshops/Schedule.asp>

LOOKING FOR FUN AND ADVENTURE - while earning credit?



Visit northern Wyoming for educational field workshops on geology and paleontology, led by a team of professional scientists.

These workshops utilize the extensive geological and dinosaur fossil resources of Shell Valley in Wyoming's Bighorn Basin, along with the nearby Big Horn Mountains, as "living classrooms" in order to increase the participant's knowledge of earth science. These workshops will visit world-class dinosaur fossil-bearing localities with researchers who are currently conducting research on these deposits.

These workshops are popular with K-12 teachers and advanced students who need college credit or professional re-certification. A family vacation in the Bighorn Basin area that includes one or more of our workshops would allow you to pursue "Lifelong Learning" while enjoying the area's natural resources.

To learn more about the 3 workshop offerings in July, please go to: <http://www.geo-sciences.com/workshops.htm>

NSTA Express Poll: Technology in the Science Classroom

Technology is having a major impact on K-12 education and many feel that it is changing how teachers teach, communicate, access resources, and interact with students in the classroom. How has technology transformed the way you teach science in the classroom? If you are a science educator, please take this week's *NSTA Express* poll and tell us what you think. To complete the poll, visit http://science.nsta.org/survey_technology_2007

Calling All Teacher Moms!

Working Mother magazine plans to feature a teacher mom—and her child(ren)—on its August/September cover and in the accompanying feature story. They are looking for a teacher who teaches any grade from K-12 (they are specifically looking for teachers, not counselors or administrators).

The successful candidate must be photogenic and willing to share her story about work/life balance. They are most interested in women between the ages of 30-42 with children who are age 13 and younger. To be considered, you will be asked to provide the following information (all information will be kept completely confidential during this selection process):

Name and age
Names and ages of children
Marital status
City/state of residence
Subject and grade you teach
Name and city/state of school where you teach
If married, husband/partner's occupation
Child care arrangements
Daytime phone number and email address
Close-up snapshots—Please note that they must have pictures to consider candidates. If possible, they will also welcome photos of the mom and her child(ren). (Please e-mail two or three pictures as jpg attachments)
And in 200 words or less: Why did you choose a career as a teacher? What makes your job meaningful to you? How do you handle work/life balance?

Please e-mail the information, and pictures, to Susan Gerstenzang at teachermom@workingmother.com by **May 1, 2007**. Due to the volume of responses, they cannot respond to individual responses.

NSTA Legislative Alert: Senate to Debate and Vote On Major Math and Science Education Bill This Week

The Senate's competitiveness bill—S. 761 America Competes Act—is on the Senate floor this week for debate and a vote. America Competes provides a number of excellent programs for science and math education that were outlined in the 2005 Augustine Commission report, *Rising Above the Gathering Storm*. To learn more about the America Competes Act, visit:

<http://science.nsta.org/nstaexpress/americancompetes.pdf>
Please take a minute today to contact your Senators and ask for their support of S.761 (http://science.nsta.org/nstaexpress/nstaexpress_2007_04_23_contact.htm)

NSTA Seeks Feedback on New Position Statement: Principles of Professionalism for Science Educators

NSTA continually develops and updates position statements to support the improvement of science education at all levels. Teams of educators develop these important documents, which are then approved and adopted by the NSTA Board of Directors. As always, we seek and encourage the feedback from our members on the content of these statements.

NSTA's newly revised statement, Principles of Professionalism for Science Educators, sets forth four important principles to guide the professional conduct of science educators. Please take a minute to read the new draft statement and tell us what you think. To view and comment, visit <http://www.nsta.org/main/forum/showthread.php?p=3128> and click on Post Reply. **(Note: You must register to use the NSTA Discussion Board before posting comments.)**

Comments must be received by **Friday, May 4**.

T3 Summer

Institutes

Learn to integrate TI technology into your classroom in a 3, 4, or 5-day course this summer.



T³ is again offering 3, 4, or 5-day Summer Institutes. Summer Institutes are "open enrollment." T³ Summer Institutes help schools and districts provide exemplary professional development experience for teachers who are learning to use TI technology as an instructional tool. These institutes are led by experienced educators.

Participants in an institute will:

- Receive intensive training in making effective and appropriate use of TI educational technology to enhance the teaching and learning of mathematics and science
- Learn how to implement appropriate change in the classroom by employing new strategies for teaching and evaluation when technology is available to all students
- Experience how mathematics and science can be taught in an exciting, exploratory and investigative manner.

To find out where the institutes are being held, please go to: (note there is one in Fairbanks, however it is geared toward math teachers.)
http://education.ti.com/educationportal/sites/US/nonPr oductSingle/pd_summer_course_list.html

Earth Science by Design Leadership Workshop

For school leaders, college faculty, and staff developers

Choose from two locations and times:

June 20-22, Cambridge, Massachusetts
OR

June 25-27, Portland, ME

Learn how the *Earth Science by Design* professional development program brings "Understanding by Design" to Earth Science. See how *ESBD* helps teachers enhance their content and pedagogical knowledge and how to facilitate this experience with teachers. Analyze examples of *ESBD* science units which teachers have created and hear how the *ESBD* approach has affected teachers. Work with staff developers who have conducted the *ESBD* program with teachers.

Receive all materials needed to offer the program, including a copy of the *ESBD Handbook for Professional Developers* and access to the *ESBD* Web Site.

For more information and to register, visit <http://www.esbd.org/> Deadline, May 11th!

Help Us Help You With Your Spring Cleaning!



Donate Items for Anchorage Audubon's Garage Sale

*Have too much stuff in your garage or basement?
Items that you haven't used in years?*

Donate your used (but clean and functional) items to our garage sale!

All proceeds to benefit Audubon Adventures After School Club.

**Sat. May 19, 8a - 4p
& Sun. May 20, 11a - 3p
8037 Wisteria Lane**

To donate, call Georgia Conti at 269-8709 or 206-979-9961 or email her at antep9@aol.com to arrange drop off at her house or pick up of items.

Thank you!

If you wish **to volunteer** to help staff the Garage Sale on May 19 or 20, please call Joanna Hubbard at 742-4451.

To learn more about the Anchorage Audubon Chapter, please visit:
<http://www.anchorageaudubon.org/>