Volume 2, No. 6
March 22, 2006 - Building a Presence for Science: Ohio eBlast

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1. Gr. P-16: Bald Eagle Web Cam site from the National Wildlife Federation

http://nwf.r.delivery.net/r/r?1.1.En.2U9.Y96GJ.BwMIAe..N.CjY0.1GZo.3Fc1Av

See an eagle pair in Maine as they incubate their just-laid eggs! Mom and Dad are getting ready for the chicks to appear in early April, but you can get an intimate view into their massive nest with our live web camera today!

2. Gr. K-16: Professional Development Opportunities:

http://www.fcesc.org/pd.htm

The Understanding by Design - UbD Conference will be August 1-3, 2006, plus a UbD Pre-conference will be held on July 31, 2006. Featured presenter: Jay McTighe. This is a collaboration between the Franklin County Educational Service Center and Hilliard City Schools but educators across Ohio are invited to attend.

3. Gr. K-16 NASA Connect: Sun-Earth Day

http://sunearthday.nasa.gov/

"Sun-Earth Day" is a series of programs and events throughout the year that culminates with a celebration of the spring equinox. "Eclipse: In a Different Light," this year's theme, shows how eclipses have inspired people to study the sun-earth-moon system. Join this journey of exploration and discovery in preparation for a total solar eclipse.

http://sunearthday.nasa.gov/2006/events/broadcasts.php

"NASA Connect: Sun-Earth Day" features teacher guides and other resources for studying sun-earth connections and celebrating Sun-Earth Day. In "Ancient Observatories," students measure the movement of the sun and find solar noon. In "Venus Transit," students learn about scale models and the "astronomical unit," which is used to determine distances from the earth to other planets and stars. In "Dancing in the Night Sky," students learn about the Aurora Borealis, or Northern Lights.

4. Gr: K-10: The Weather Channel

http://www.weatherclassroom.com

The Weather Channel has expanded its list of online resources to make the science of meteorology come alive for students in grades K-10. Visit for such interactive multimedia as "Forecast Earth," which investigates global climate changes and their effects on daily lives;

"Look Up!", and exploration of the sky with cross-curricular ties to math, visual arts, music and language arts; and "SafeSide," a collection of weather-related safety and preparedness materials. Teachers must register but there is no fee involved.

5. Gr. 7-12: Visible Proofs: Forensic Views of the Body
http://www.nlm.nih.gov/visibleproofs/index.html
This wide-ranging survey of forensics and the human body was created by the National Library of Medicine at the National Institutes of Health. Starting with the Exhibition area, visitors can learn about the rise of forensics and proceed to move through sections on forensics laboratories and public perceptions of forensics. The Educational section of the site is also quite worthy of attention, as it contains lesson plans, online games, and a number of archived interviews with forensic scientists.

6. Gr 6-12: Earth Science at StoneLab
http://www.bapohio.org/Nat814-Jax.pdf
This summer a new course will be offered called "NR 814: Earth Systems Education", to be taught by Dr. Dan Jax, a graduate of OSU, and a science teacher in Bexley, Ohio. He was co-author of many of the StoneLab Earth systems materials. The course will be held from July 16 – July 22. Topics will include global and lake examples of: systems thinking; cycles; populations; ecosystems; solid waste issues; biodiversity; urban sprawl; climate; ENSO events; lake effect; plate tectonics and evolution.

7. Gr 9-12: Looking for Inventors
http://web.mit.edu/inventeams
InvenTeams is a funding opportunity open to high school science, mathematics and technology teachers at public, private and vocational schools and their students. Engineers at MIT are looking for innovative and creative teams of students for this unique opportunity. Student teams [with their teacher(s) and an industry mentor(s)] are invited to identify a problem that could be addressed with or through an invention. A committee from the Lemelson-MIT InvenTeams Program will select up to 20 projects to be funded up to $10,000, to develop a prototype or their invention between October 2006 - June 2007. Last year, less than 100 applications were received, and 18 grants were awarded.. Popular themes of projects include assistive devices, consumer products, the environment, transportation, and health and safety. On-line applications and additional information about past projects are available at the web site. The deadline to apply is May 5, 2006.

8. Gr. 9-12: The Structures of Life
http://publications.nigms.nih.gov/structlife/
"The Structures of Life" takes us into the world of "structural biology" -- a branch of molecular biology that focuses on the shape of nucleic acids and proteins (the molecules that do most of the work in our bodies). Learn about the structures and roles of proteins, tools used to study protein shapes, how proteins are used in designing new medications (for AIDS and arthritis), and what structural biology reveals about all life processes. Find out about careers in biomedical research.

9. General Interest: Scholarship Money for African-American Students
http://www.bapohio.org/scholar.pdf

Even if you do not have a college-aged child at home, please share this with someone who does, pass this scholarship information on to anyone and everyone that comes to mind. Though there are a number of companies and organizations that have donated moneys for scholarship use to African Americans, a great deal of the money is being returned because of a lack of interest.

Please pass this information on to students you know, other teachers, family members, friends with children etc.

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