

Inside this Issue

- 1 Nominate an Earth Science Teacher
- 1 Officer Contact Info
- 1 Earth Day Activities
- 1 Featured Resources
- 2 Student Opportunities
- 2 Call for Papers
- 2 Upcoming Courses and Workshops of Interest to Earth Science Teachers
- 2 Earth Science Teacher Freebies
- 3 Teacher Opportunities

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<http://www.ces.clemson.edu/scesta/>

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South Carolina Earth Science Teachers Association Newsletter

Nominations for the Outstanding Earth Science Teacher for 2004 are now being accepted through April.

The nomination form will soon be posted on the SCESTA website. In the meantime, you can get a nomination form from Dr. John Wagner at Clemson University jrwqnr@clemson.edu or the NAGT website <http://www.nagt.org/OEST.pdf>

'Need to Contact an Officer?'

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Earth Day 2004

April 22, 2004

Earth Day, which occurs annually on April 22, involves tens of thousands of events, from rallies and teach-outs to concerts and earth fairs. Earth Day events happen everywhere: in casbahs, capitals, villages, schools and temples. Together, we send a message that our planet is precious, perishable, and belongs to all of us. For information on national Earth Day events see: <http://earthday.envirolink.org>.

To find out about events in S.C. check out the following website: <http://www.scdhec.net/earthtoday/>

Also available in Acrobat format are the environmental glossary (<http://www.scdhec.net/recycle/forms/glossary.pdf>) and activity book (http://www.scdhec.net/recycle/forms/act_book.pdf).

Featured Resources

With all of the great explorations going on with Mars this quarter's resources will focus on geology on other terrestrial planets besides our own.

[Hawaii Institute of Geophysics and Planetology](#)

[The Baffling Geology of Venus](#)

[NASA's Mars for Students](#)

Malin Space Science Systems
(These folks make the cameras, etc. for the rovers – Most info is on Mars)

USGS Astrogeology

PBS Mars – Dead or Alive

Notes on Planetary Geology from Universities:

<http://dosxx.colorado.edu/~bagenal/1010/SESSIONS/12.PlanetGeology.html>

<http://zebu.uoregon.edu/~js/ast121/lectures/lec15.html>

(Venus only)

<http://www.aqu.org/revgeophys/bindsc01/bindsc01.html>

<http://www.whfreeman.com/ENVIRONMENTALGEOLOGY/EXMOD36/PLANET.HTM>

(This includes Quicktime movies!)

(Mars Geology)

<http://www.lukew.com/marsgeo/>

Class Activities:

Designing Your Planet's Geology

– Complete with rubric, this web activity has students create their own planet's geologic history using what they've learned about real planets.

Here's a Few from Your Newsletter Editor:

[Impact Crater Lab](#)

[Studying Geologic Landforms From the Air / Key](#)

[Planetary Geologic History](#)

NASA Curriculum Supplements on Mars - *These Mars Curriculum Modules are designed to help bring the topic of Mars into your 4th through 12th grade classrooms.*

Exploring Mars (Grades 4-10)

This introduction develops students' understanding of Mars, the solar system and planetary exploration.

The Great Martian Floods and the Pathfinder Landing Site (Grades 4-10)

Students learn how sediment, landforms and drainage patterns provide clues about a planet's geologic history.

The Grand Canyon of Mars and How it Formed (Grades 6-12)

Students investigate the formation of Mars' 3000-mile-long valley.

Is There Water On Mars? (Grades 9-12)

Can water exist on Mars Today?

Student Opportunities

Robotic Design Competitions (All Grade Levels)

<http://www.usfirst.org/>

Call for Papers – Get Published!

The NSTA is looking for Earth Science teaching or lesson articles for their magazines. Please send your submission to:

Janet Gerking, NSTA Editor
443 Valley Stream Dr.

Geneva, FL 32732

Phone: (407)349-9093

Fax: (407)349-9094

jgerking@nsta.org

Upcoming Courses and Workshops of Interest to Earth Science Teachers

If you know of any courses or workshops we can post here, please send the info to dpetty@usit.net and/or danielg@clemson.edu. We'd love to pass it on to teachers, etc.

Check with the following Colleges and University Geology Departments to find courses of interest to you!

[Charleston Southern University](#)
[The Citadel](#)

[Clemson University](#)

[SCMaps/SC Life Courses](#)

[Coastal Carolina University](#)

[Coker College](#)

[College of Charleston](#)
[Erskine College](#)

[Francis Marion University](#)

[Furman University](#)

[Lander University](#)

[Newberry College](#)

[Presbyterian College](#)

[South Carolina State University](#)

University of South Carolina

[Columbia campus](#)

[Aiken campus](#)

[Beaufort campus](#)

[Lancaster campus](#)

[Salkehatchie campus](#)

[Spartanburg campus](#)

[Winthrop University](#)

[Wofford College](#)

Roper Mountain Science P.L.U.S.

Visit this web site for this summer's course offerings and an application:

<http://www.ropermountain.org/PLUS/coursedescriptions.shtml>

Volunteer Newsletter Editor Needs Your Help

Any news? Do you have your own class website? Do you know of good links or other resources we can pass on? Please drop us a line! The newsletters are only as good as you make them by letting us know what is important to you. Together we can be a strong force for Earth Science education in South Carolina! Please send your news, as it happens, to: dpetty@usit.net
Thanks! *Donna*

Check Out These Sites for Freebies (or almost free stuff)!

Earth/Mars Comparison Poster from NASA

<http://marsprogram.jpl.nasa.gov/classroom/earthMarsForm.html>

Surfing the Net with Kids Science Games

http://www.surfnetkids.com/games/Science_Games/

Free Software (to teachers and schools who register it) : [Astro-Mania](#)

[Women are Scientists Video](#)

Just fill out the form for this free video for teachers of grades 6-12.

[Understanding Radiation in Our World Kit](#)

[Learning Gateway at the Office of Surface Mining](#) has a free poster, games, quizzes, and more.

Teacher Opportunities

Teacher Grant Award Application (2003-2004)

(SC)2 is pleased to offer its members a teacher grant for up to \$1,000 to support classroom innovations and projects. This grant is a tradition for our organization. If you have a special project or program in working with your students that requires funding outside of your normal school resources, consider applying for this grant. It will support materials, equipment, purchased services, substitutes or consultants and travel costs associated with your project.

This grant supports projects for the 2004-2005 school year and

should be completed by October 1, 2004. Because award notification is August 1, 2004, funded projects can be extended until June 31, 2005.

To apply: go to the (SC)2 webpage - www.scscience.org - for the application or email Leslie Sanford - sanford@earthlink.net - for more information.

[EIA Grant](#) – Applications for the 2004–05 school year are available at the State Department of Education Web site (<http://www.myscschools.com/offices/cso/eia/>). Individual teachers may apply for up to \$2,000. A team of two teachers may apply for a unit grant up to \$4,000. Three or more teachers may apply for a unit grant up to \$6,000. Teacher is defined as teacher, guidance counselor, media specialist, or speech clinician.

NSTA Awards – Start planning now to vie for any of several awards offered by the NSTA at the following link:

<http://www.nsta.org/awardscomp>
The deadline for these should be October of 2004, before our next newsletter is published.

[Melinda Gray Ardia Environmental Curriculum Development Grants - 1-2](#)

\$1000 grants, designed to assist educators in the design and implementation of holistic environmental curricula. They are open to anyone, but they give

preference to grants that benefit public school students, a policy based on Melinda's commitment to public school education. Funds will be administered through the recipient's school district office. Multi-disciplinary curricula that encourages work with several school districts is preferred.

Champions of the Environment Monthly Grant Program

rewards projects that protect the environment and increase environmental knowledge. S. C.'s teachers, students and environmental educators are eligible to apply. The Champions partnership is made up of representatives from International Paper, INVISTA, SC DHEC and WIS-TV. This partnership chooses one project to receive a \$500 grant each month. At the end of the school year, monthly winners may be chosen as an Overall winner and win up to \$5000 in additional funds. Please visit the Champions of the Environment web page for more information: www.scdhec.gov/champions. You may also call Lynne LaSalle at (803)898-4394

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ADDRESS CORRECTION REQUESTED

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