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

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South Carolina Earth Science Teachers Association Newsletter

The officers will coordinate with Tom Littlejohn to solicit commitments from SCESTA members to present activities at this session. **Please take a look at their standards and come up with some sort of activity for this – we'll give you more details later.**

'Need to Contact an Officer?'

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Nominations for the Outstanding Earth Science Teacher for 2002 are now being accepted.

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 jrwgnr@clemson.edu.

Earth Day 2002

April 22, 2002

Earth Day is April 22, 2002. To get a resource guide, booklet, schedule a program through DHEC, or to find out what events are taking place across South Carolina, visit the following website:
<http://www.scdhec.net/earthday/>

For information on national Earth Day events see: www.EarthDay.net

Featured Resources

Mining Association of S.C
<http://www.scmines.com/>

Upcoming Teacher Awards & Grants

South Carolina EIA Grants (Deadline April 26) Teacher and Unit Grants available. See details and download the application at <http://www.myscschools.com/tracks/Educators/eia_grants.htm>

Craftsman/NSTA Young Inventors Awards
<<http://www.nsta.org/programs/craftsman/>>

(Deadline March 14) The Craftsman/NSTA Young Inventors Awards Program challenges students to use creativity and imagination along with science, technology, and mechanical ability to invent or modify a tool.

DCAT Making a Difference Award

<<http://www.nsta.org/185>>
(Deadline July 15) This award will recognize and honor excellence in a science program developed and implemented by middle level science teachers, grades 6–8. Entries must show innovative and effective teaching strategies combined with a science program that has influenced students to explore and investigate science and its application to global problems.

Student Opportunities

From NASA:

[Participate in Sun-Earth Day](http://sunearth.gsfc.nasa.gov/sunearthday/)
<<http://sunearth.gsfc.nasa.gov/sunearthday/>>- Sun-Earth Day is **March 20, 2002**, and is sponsored by NASA's Sun-Earth Connection Education Forum. Discover how to participate in the event, obtain workshop information, and receive a Sun-Earth Day Kit (cost \$6) from NASA CORE.

[NASA AMES Annual Space Settlement Contest](#) - **(Deadline March 31)** Creativity is a MUST! Students aged 11-18 from around the world may enter this annual contest at NASA Ames Research Center to design an orbital space settlement. The grand prize, first, second, and third place winners in small group categories will be invited to NASA Ames in June 2002 for a tour. Past winners and guidelines are posted on the website.
<<http://lifesci3.arc.nasa.gov/SpaceSettlement/Contest/>>

[Design a Space Food Product](#) - **(Deadline April 1, 2002.)**
<<http://www.ag.iastate.edu/centers/ftcsc/pages/proddev.htm>> Design a food product, food packaging, and/or a processing system that will meet the criteria for moon/planetary missions. Student teams from any U.S. college or university with food science and/or agricultural or food engineering programs are eligible to enter this competition.

Share Your Best Practices!

Don't ya just despise seeing lessons or activities that sound like they would never work with your students? You have the voice of experience and we need your expertise. We'd like every member of SCESTA to share one of their favorite lessons, activities, or other tips through the newsletter.

This edition's contribution is from

Thanks ___!

Upcoming Courses and Workshops of Interest to Earth Science Teachers:

- **The SC Earth Physics Project** (SCEPP) will be conducting training next summer. Contact Tom Owens or Jim Bartholomew at USC for more information.
- [Science Teacher Workshop](#) - Students On-Line Atmospheric

Research (SOLAR) will conduct a science teacher workshop on **June 23-28, 2002**, at the NASA Langley Research Center in Hampton, Virginia. Selected participants will receive a stipend plus travel expenses, lodging, and per diem. Graduate credit and/or continuing education credit is available. Apply online at <<http://www-sage3.larc.nasa.gov/solar/registerform.html>>

Volunteer Newsletter Editor and Webmaster 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! Both the website and the newsletter 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 and/or
danielg@clemson.edu Thanks!
Donna & Tex

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

- **Movers & Shakers™**

This complete teaching package for kindergarten through 12th grade discusses earthquake preparedness. The kit includes a video, lesson plans, supplementary handouts and a poster. It has been endorsed by the National Association of Elementary School Principals, the National Coordinated Council of Emergency Management and the Central United States Earthquake Consortium. It is free to schools.

If you'd like to give this program to a school, contact a [State Farm agent](#) or the regional [State Farm office](#) near you. We'll need the following information: Name of school, Street address (no P.O. Boxes, please), and the Name of the teacher using the program.

- **Mineral Information**

Institute has FREE download of lessons, activities, guides, student pages, backgrounders, and more at <http://www.mii.org/>

- **National Geophysical Data Center** has fantastic images you can show your students at <http://www.ngdc.noaa.gov/mgg/image/images.html>

You can even order full-sized posters, etc. for a reasonable price.

- **Review Copies of Global Systems Science Guides**

GSS is an interdisciplinary course for high school students comprised of nine student books with teachers guides. The books may be used for a one-year integrated science course, or individual guides may be incorporated into existing high school biology, physics, chemistry, earth science, or social studies courses. The GSS

project at Lawrence Hall of Science, University of California, Berkeley, has made available (at www.lhs.berkeley.edu/gss) free download of books for the GSS curriculum. The entire series (nine interdisciplinary student books) appear online for review by teachers, teacher education leaders, and curriculum designers.

- **Educational Activity That Deals with the Basics of Landfills**

Visit the Environmental Research and Education Foundation homepage at www.erefndn.org, and select "Educational Activities." The text on the page tells what a landfill is, how to build a municipal solid waste landfill, and what happens when landfills become completely full.

- **Astrobiology Supplement**

In Jan. 2001, the *Research Penn State* magazine included an extended article on astrobiology that was based on the previous year's lectures presented during the Frontiers of Science Lecture series on astrobiology. The article, written at a [high school level](#), is now available as a separate magazine supplement and is appropriate for educators, students, researchers, and the community at large. To order a copy for yourself and/or for each student in your class, send e-mail to Angela Phelps at angelaphelps@psu.edu. Download or preview a copy at www.rps.psu.edu/0101/anybody.html.

- **Microbursts** A hands-on weather activity suitable for grades 7-12. Download from www.southwestgeo-ed.com (select "To Obtain Sample Lessons"). Samples consist of teacher-reproducible masters for student lab guides and a teacher support sheet.

- **High-Resolution Images of U.S. Landscapes** See

www2.oneonta.edu/~baumanp

[r/NCGE/highres/highres.htm](http://www.ncge/highres/highres.htm).

The images depict land use in urban and rural areas and can be used by instructors teaching remote sensing courses. Teachers at the precollege level may find the images helpful in showing students different landscapes.

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