

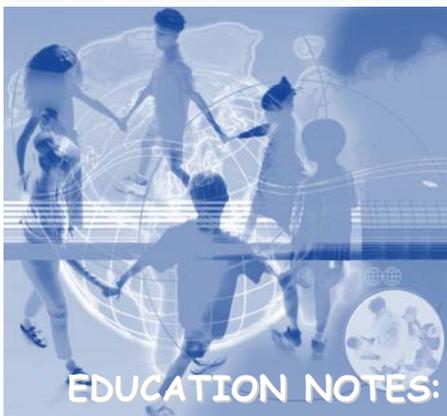


Education News

Volume 7, Issue 1

John C. Stennis Space Center

Sept./Oct. 2003



EDUCATION NOTES:

NASA Rocket Rulz... Real Science, Real Loud! Coming spring 2004.

Call now to book fall field trips to StenniSphere and America's largest rocket testing complex.

Spacelink is your primary source for NASA education information and materials. <http://spacelink.nasa.gov>

See what's new in our Educator Resource Center. Page 2

Get your students involved with the FIRST LEGO League Robotics competition. Page 3

Visit Stennis' education Web site regularly for updates regarding workshops and other education opportunities.

Astro Camp Saturday 2003 Fall Schedule

October 18

Rocketry 101

Special grandparent and grand-child camp

November 8

Mission to Mars

December 6

From First Flight to Space Flight

To register, call 1-800-237-1821 (option 1) or (228) 688-2370.

For children 9-12. Fee for Astro Camp is \$50. This provides supplies for campers. Lunch will be provided at the Nov. 8 and Dec. 6 workshops.



A Reminder

See you there!!!

Teachers, remember the NASA Educator Resource Center (ERC) is located in the basement of our award-winning visitor center, StenniSphere. See what the ERC has to offer you and your students when you visit Stennis Space Center. Contact our ERC at 1-800-237-1821 (option 2), (228) 688-3338 or by e-mail at sherrill.reynolds@ssc.nasa.gov.

Look for us at...

Staff from the NASA Educator Resource Center (ERC) at Stennis will be on hand at each of these events to distribute NASA educational materials. Bring this newsletter to Stennis' ERC booth and receive a special treat for your students!

The Diamondhead Centennial of Flight Event:

Stennis will take part in the Diamondhead, Miss., Centennial of Flight Event on Saturday and Sunday, Sept. 20-21. Stennis exhibits will include a 28-foot inflat-

able Space Shuttle, a 9-foot-tall walk-around astronaut and an Orbital Space Plane exhibit previewing the future of space flight. Astronaut Doug Wheelock will be on hand to sign autographs and answer questions.

The Mississippi Council of Teachers of Mathematics conference in Jackson, Miss., Sept. 18-19.

The Mississippi Science Teacher's Association conference in Jackson, Miss., Oct. 27-28.

<http://education.ssc.nasa.gov>



Education News

What's new in . . .

NASA's Educator Resource Center

To obtain these valuable NASA resources, contact the ERC at 1-800-237-1821 (option 2), (228) 688-3338 or by e-mail at sherrill.reynolds@ssc.nasa.gov.

New Publications

Amusement Park Physics with a NASA Twist Educator Guide

This lesson plan, targeting teachers of students in grades 5-9 highlights how amusement park rides demonstrate the principals of physics.

Johnny's Airport Adventure

This aeronautics-based story board activity is targeted to educators of grades K-4 and contains role-playing activities. This lesson plan is also available in Spanish.

NASA's Digital Educational Resources Publication is now available.

Celebrate 100 years of flight with a NASA Centennial of Flight decal.

New CDs and Videos

Flight Testing Newton's Laws: The Test Pilot Approach to High School Physics

For grade levels 9-12

Videos

Festival of Flight Special: Opening Space for Next Generation Explorers

For grades 6-8

Data Analysis and Measurement: Dancing in the Night Sky

For grades 6-8

The Case of the Galactic Vacation

For grades 3-5

NASA Destination Tomorrow Program 10: Bringing the Future into Focus

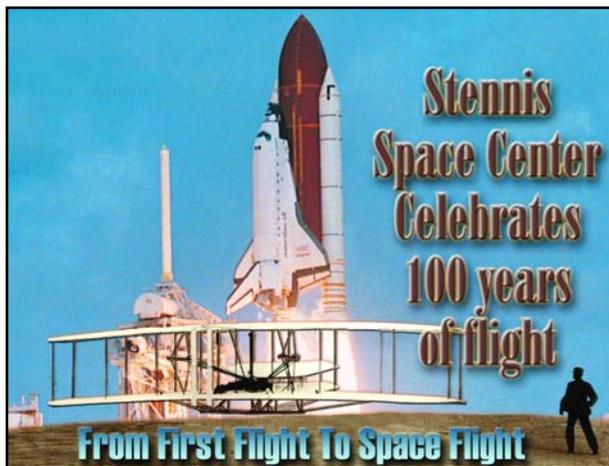
For grades 9 and up

Engineering Design Challenges: Centennial of Flight

For grades 5-12

The Idea that Nobody Wanted

For grades 9 and up



StenniSphere

New exhibit celebrates a centennial of flight

Look!

Educators, a new exhibit has opened at StenniSphere. Be sure

to study the exhibit with your students during your fall field trips to StenniSphere. The new exhibit, which includes a 1/6-scale model of Orville and Wilbur Wright's first flyer, showcases the astonishing achievements of human flight over the past century and highlights the NASA-developed technologies that have helped make life better on Earth.



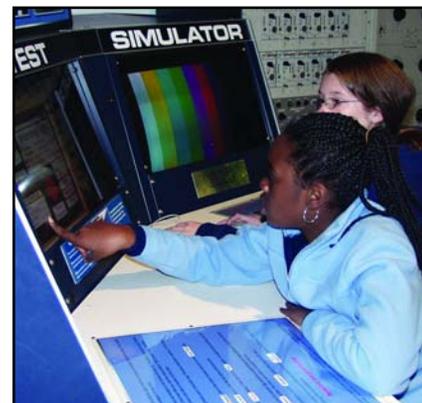
Amelia Lives

Stennis will host the one-woman play, "Amelia Lives," which chronicles the triumphs and tragedies of the famous female aviator, Amelia Earhart, who vanished in July 1937 as she attempted to become the first woman to fly around the world. Call StenniSphere for show times. (228) 688-2370 or 1-800-237-1821.

Book fall field trips at StenniSphere

StenniSphere's fall/winter hours took affect after the Labor Day weekend. They are Monday through Saturday, 9 a.m. to 4 p.m. The center is closed Sundays and all major holidays. Tours begin at the Launch Pad, Exit 2, I-10, near Bay St. Louis. Admission to StenniSphere is free. For more information or to book a field trip for your class, call (228) 688-2370 or 1-800-237-1821 or visit <http://www.ssc.nasa.gov/public/visitors/schooltour/schtour.html>.

<http://educa>



...to inspire the next generation of explorers



Get Spacey!

Oct. 4-10 is Space Week. Get students excited about math, science and technology by participating in activities found in the World Space Week Teacher Activity Guide at <http://www.spaceweek.org>. Students – by participating in the Lance's Lab activity during the week, you will compete for the opportunity to meet NSYNC's Lance Bass, the World Spaceweek 2003 Youth Spokesperson! Teachers – report your spacey classroom activities and you could be awarded a grant for \$500!

\$500!!!

From a Distance site offers GIS lesson plans

“From Home to School, GIS-Style” – a lesson plan for educators in grades 7-9
<http://education.ssc.nasa.gov/fad/detail.asp?LessonID=64>

The From A Distance Web site at <http://education.ssc.nasa.gov/fad>, provides educators easy-to-use technology-based lesson plans. The lesson plans utilize the applications of remote sensing, geographic information systems (GIS) and global positioning systems.

The “From Home to School, GIS-Style” lesson plan, which meets national standards in technology and science curricula, has been selected by National Science Teachers Association SciLinks as among the best Web pages found on the Internet.

education.ssc.nasa.gov

LEGO League gives students hands-on engineering experience

Middle school students have the opportunity to participate in an exciting, hands-on learning event – the For Inspiration and Recognition of Science and Technology (FIRST) Robotics LEGO League. Students learn how to build and program robots using LEGO Mindstorms technology. LEGO League, a part of the FIRST Robotics program, emphasizes not only technical skills, but also teamwork and imagination.

This year's competition marks the second of its kind on the Gulf Coast. Once again, North Gulfport 7th and 8th Grade Junior High School – also a NASA Explorer School – will host the competition.

For more information about the contest, contact Randall Hicks at RHicks@harrison.k12.ms.us. Or visit the FIRST Web site at <http://www.firstlegoleague.org>.

Deadlines

It's never too early to start applying for internships. NASA centers offer numerous internship opportunities to high school or university students and faculty. Start the application process today for the following internship opportunities available at NASA centers for the summer of 2004:

Graduate Student Researchers Program (GSRP)

The NASA GSRP awards fellowships for graduate study leading to research-based masters or doctoral degrees in the fields of science, mathematics and engineering. The 2004 solicitation will be posted on the Web site Sept. 19. Applications are due Feb. 2. If you have questions about the application process, visit <http://education.nasa.gov/gsrp/index.html>.

NASA Faculty Fellowship Program

University faculty have the opportunity to spend 10 weeks conducting research at a NASA center through the NASA Faculty Fellowship Program. Applications for the summer of 2004 are available beginning in October. For more information, visit the Web site at <http://www.asee.org/NFFP>.

NASA Undergraduate Student Research Program (USRP)

Undergraduate students have the unique opportunity to conduct mentored research at NASA centers across the United States. Students with a concentration in engineering, mathematics, computer science or physical/life sciences should visit the Web site at <http://education.nasa.gov/usrp> for more information. Applications are due Feb. 1.



Education News

Sept./Oct. 2003

John C. Stennis Space Center

4

Ask About Science - On Demand

Ask About Science – On Demand is an interactive student science activity for upper elementary, middle or secondary students featuring scientists, researchers and specialists from Stennis Space Center.

Presented by the Mississippi Educational Television Interactive Video Network and the NASA Office of External Affairs, Education Office at Stennis, the program encourages students to discover real-world science.

To register for this student program, contact the Stennis distance education coordinator, Glen Vanderbeek, at (228) 688-3653 or at glen.vanderbeek@ssc.nasa.gov.

Did you know?

Do you live too far to travel to the Stennis Educator Resource Center (ERC)? Did you know that Jackson State University and Choctaw Central High School are also home to NASA Regional ERCs? For information about materials and workshops at these sites, contact:

Tracey Hartness

ERC Choctaw Central Middle School
150 Recreation Rd.
Choctaw, MS 39350
(601) 656-0259
thartness@cts.bia.edu

Yvette Turner

JSU ERC
P.O. Box 18829, Jackson, MS 39217
(601) 979-1177
yvette.turner@jsums.edu

Be a NASA couch potato

Information about educational programming on NASA TV is available online at <http://spacelink.nasa.gov/education.file>. Monthly schedules and program descriptions are available to help you plan classroom activities.

Mark your calendar

NASA's education calendar is your guide to planning NASA education activities and events. Learn when and where NASA's Education Division will be participating in national education conferences. Educators and students can keep track of application due dates, workshops, internships, grants, fellowships and other opportunities. You can access the calendar by visiting <http://education.nasa.gov/>.

Education News is published by the NASA John C. Stennis Space Center Office of External Affairs, Education Office. Michael Rudolphi is the interim center director; Dr. Dewey Herring is the manager of the NASA Office of External Affairs, Education Office.

Comments and suggestions should be forwarded to Building 1100, Room 209, Stennis Space Center, MS 39529, or call (228) 688-2313 or (228) 688-2091.

EDITOR
April Lollar

CONTRIBUTING WRITER
Glen Vanderbeek, Karen Bryant

CONTRIBUTING PHOTOGRAPHER
Mike Badon

GRAPHIC DESIGNER
Margie Monde

Visit the Stennis Space Center Education Office Web site at:
<http://education.ssc.nasa.gov>.



National Aeronautics
Space Administration

John C. Stennis Space Center
Stennis Space Center, MS 39529
Bldg. 1100, Room 209
Official Business
Penalty for Private Use \$300

Attention: Please Route Among All Educators