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NWO Hands-On Activity

- will return in the fall

K-16 STEM in the NEWS

Real World STEM for Perkins Local Schools' Students



Students in Perkins Local School District took a trip to Kalahari Resort during second semester as part of NASA's inaugural Math and Science Day. One hundred fifty 8th graders from northern Ohio took part in a program that organizers hope to expand in size and geographic reach. Glenn Research Center researchers, engineers, and systems specialists ran learning stations with a variety of demonstrations and activities, including a quiz game, a cryogenics station with liquid nitrogen, and demonstrations modeling the tests rockets undergo in vacuum and acoustics chambers.

NASA education and outreach team leader Brian Willis hopes the event will show students the importance of studying STEM fields—science, technology, engineering, and mathematics—and the variety of careers available at NASA and other agencies or private companies. "A lot of people don't really know what NASA does," Willis said. ([read more](#))

Community STEM in the NEWS

STEM Tweets

STEM Tweets, an exciting new program in northwest Ohio, is part of Time Warner Cable's Connect a Million Minds initiative. University of Findlay is spearheading the project and will work with a group of students ages 11 and up to research STEM careers and produce virtual profiles for a dozen STEM related careers. The information and findings by the participants will be critiqued and broken down into tweets to be shared through Twitter. Students also attend monthly meetings where the group experiences hands-on activities similar to those done by STEM professionals. The group's meetings take place at The Clubhouse on the University of Findlay campus. For information on getting students involved contact **Dr. Gwynne Rife** at **419-434-4724** or rife@findlay.edu. ([read more](#))

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STEM Opportunities

Multimedia Transformation-A Report from Education Week

A recent report from Education Week provides educators with information about how teaching in the digital age is working for students. View the report, *Multimedia Transformation-A Special Report on Multimedia in Schools*, at <http://www.edweek.org/ew/collections/multimediareport-2011/index.html>.

Ohio Technology and Engineering Educators Fall Conference

What: Hands-on elementary STEM workshop for grades preK-6

Where: London (OH) High School, 336 Elm Street, London, OH 43140

When: Saturday, October 22, 9 AM to 4 PM

Registration information and forms for the conference, over 30 free technological design lessons for grades preK-6 (including those to be taught in the morning sessions), and all information on the paper engineering and boat design contests are currently posted on OTEEA's Forum at <http://www.stemsite.org>.

Cost of the conference is \$25 for first time attendees, which includes copies of the lessons used in the morning sessions and lunch. Single elementary school buildings can have as many staff as they want attending for \$70, which includes two lunches. Other lunches can be purchased for \$10 each.

A FREE Program for Schools within the AEP Ohio Service Area-e3smart sm

Science teachers are invited to participate in this exciting initiative sponsored by AEP Ohio and implemented by Ohio Energy Project. Teachers are treated to a professional development workshop where they receive over \$2,000 worth of curriculum, classroom equipment, and student kits to help them teach the science of energy and efficiency through classroom labs. The program affords teachers the opportunity to earn graduate credit as well. The curriculum meets science standards at the state and national levels and has been recognized as an Outstanding Energy Education Project by the Ohio EPA.

Professional development workshops will be offered in August and October 2011. Applications should be submitted by July 31 but will be accepted until all spots are filled. For more information, contact Sherry Hubbard (sjhubbard@aep.com), AEP Ohio education and training coordinator for the Energy Efficiency/Demand Response team.

Southwestern Ohio Council for Higher Education Announces Its 2011 Ohio Teaching and Learning Conference

This year's conference will take place on Thursday and Friday, October 27 and 28, 2011 at the Dayton Convention Center. For conference updates visit <http://www.soche.org/conferences>.

The Ohio Revised Science Education Standards and Model Curriculum for High School-Now Available

The curriculum standards are now posted on the ODE website at <http://www.education.ohio.gov>. The PreK-8 final document is currently being edited for publication and will be posted soon. The revised science education standards and model curriculum contain valuable information to help in planning for next year. ODE and the Science Education Council of Ohio (SECO) are partnering to provide support for teachers as they begin transitioning to the revised science standards and model curriculum. This fall, regional meetings will be held throughout the state to provide further support. Please visit <http://www.secoonline.org> for information regarding dates and times.

The Best of the Outdoors Page: A Workshop and Reception for Educators:

Announcing a Workshop and Reception for Educators:

The Best of the Outdoors Page: Celebrating 15 years of Nature in Northwest Ohio and Beyond with Steve Pollick and Jeff Basting

Date: Tuesday, September 27, 2011

Time: 4-7 pm

Place: Secor Metropark's National Center for Nature Photography

Session Description: Meet Steve Pollick, The Blade's Outdoor Editor, and Jeff Basting, Blade Illustrator/Designer, who have teamed up to bring the "best of" their nationally-acclaimed, award-winning Outdoors Page to book form. Visit the National Center for Nature Photography at Secor Metropark, 10001 W. Central Ave., Berkey (six miles west of I-475) and join us for refreshments, a professional development opportunity and receive your own signed copy of the freshly published, atlas-sized, coffee table styled book.

Registration Fee: \$20 registration fee includes 3 contact hours from Bowling Green State University

To register and pay follow this link: <http://www.nwocenter.org/outdoorworkshop.htm>

For additional information, call The Blade at **419-724-6157**

ACT/SAT Prep program

Kirkmont Center, an outdoor education and camp center in Zanesfield, is looking for additional teachers for an ACT/SAT Prep program. Kirkmont's ACT/SAT Prep program provides academic instruction and outdoor recreation for students in a camp setting. Sessions are scheduled over a four day period beginning Sunday evenings and ending Wednesday afternoons on the following dates:

- August 7-10
- August 14-17
- August 21-24

Compensation is \$ 200 per day plus travel expenses.

For more information, please call **Diane Ziegler**, Interim Executive Director, Kirkmont Center, Inc. Cell phone: **513.260.2798**.

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STEM Education Updates

Thank you for your support of NWO, our programs, our activities, and our partners. Please send us updates, press releases, and news of STEM happenings at your school, district, or organization. Please submit to nwo@bgsu.edu. We are always looking for great STEM education stories to feature in upcoming newsletters.

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