

 The content in this preview is based on the last saved version of your email - any changes made to your email that have not been saved will not be shown in this preview.



Vol. 3 Issue #3

March 2011

### In This Issue

#### K-16 STEM in the NEWS

- [St. Ursula Academy develops STEM projects](#)

#### Community STEM in the NEWS

- [Scrap4Art awarded a Community Grant](#)

#### STEM Opportunities

- [NWO Inquiry Series](#)
- [Physics and Chemistry Modeling PD](#)
- [SATELLITES Summer Institute](#)
- [Community Resources Workshop](#)
- [OTEEA Spring Conference](#)
- [44th Annual EECO Conference](#)
- [Conference for Ohio Mathematics Educators](#)

#### NWO Hands-On Activity

- [Egg Science](#)

## K-16 STEM in the NEWS

### St. Ursula Academy develops STEM projects and student interest

The Saint Ursula Academy of Toledo, Ohio, started its STEM Club in 2010. Its membership is composed of about 30 students from grades 9-12 and evolved from the former Engineering and Science Clubs. The members wanted to compete in engineering competitions, do real science, build a Remotely Operated Vehicle, use math to create a sculpture, and use their computer technology skills to make and maintain a club page on the school website. Already this year, the Club team placed in the semi finals of the Junior Engineering Technology Society (JETS) National Engineering Design Challenge by designing and manufacturing a device to serve as an audio beacon for people with blindness. The device, named AudioAid by the Club, was designed to meet the needs of Fr. Ric Saelzer, who leads masses once a month at St. Ursula Academy and is a guest speaker in many classes. ([read more and view the video](#))



## Community STEM in the NEWS



**Scrap4Art was recently awarded a Toledo**



## Community Foundation Community Grant

**Scrap4Art** is a non-profit organization with a mission of reducing waste and making low cost materials and supplies available to educators and artists. **Scrap4Art** receives donations of clean, usable materials such as scrap, excess inventories, and close-outs from businesses and makes them available at low (sometimes no) cost to teachers, artists, crafters, and therapists for use in the classroom or in projects. These range from plastic containers, puzzle pieces, and tile samples to fabric scraps. **Scrap4Art** also offers workshops emphasizing conservation and recycling and the importance of creative re-use of materials. ([read more](#))

[\[back to top\]](#)

## STEM Opportunities

### NWO Inquiry Series

*Connecting teachers with the tools to help students succeed in STEM*

**March 24** from 5-8 pm and **April 14** from 5-8:30 pm at Rossford High School. Four classes to choose from. Register online at [nwocenter.org/inquiryseries](http://nwocenter.org/inquiryseries)

---

### Physics and Chemistry Modeling Professional Development Opportunity for Teachers of Grades 9-12

Earn four free graduate credits from BGSU, a \$300 stipend and \$350 of books and materials for your high school physical science and chemistry classroom. The course includes a 2-week summer workshop and six follow-up meetings during next school year. Contact Dr. John Laird at [laird@tycho.bgsu.edu](mailto:laird@tycho.bgsu.edu) for dates and times. Sponsored by Ohio Board of Regents and BGSU.

---

### SATELLITES Summer Teacher Institute

*July 11-15, 2011 at the University of Toledo for teachers of grades 5-12*

Students And Teachers Exploring Local Landscapes to Interpret The Earth from Space focuses on geospatial technology, climate change, and alternative energy. Participants attend a 5-day institute that includes an overview of remote sensing, GIS, and GPS technologies and how they are useful to our understanding of Earth's surface, atmospheric processes, climate change, and alternative energy.

---

### Community Resources Workshop

Earn contact hours or graduate credit during this week-long summer workshop (**June 20-24**) that takes you behind the scenes at some of your favorite places in northwest Ohio. Learn STEM content and experience new resources and opportunities to help you infuse STEM across the curriculum, even in the arts! Visit [nwocenter.org/CRW/CRWHome.htm](http://nwocenter.org/CRW/CRWHome.htm) for more information.

---

## Ohio Technology and Engineering Educators Association (OTEEA) Spring Conference

*April 1-2, 2011, Granville Middle School, Granville, OH*

This conference is for K-12 teachers and includes presentations by educators on easy-to-implement activities and lessons. For more on the conference, go to: [www.oteea.org](http://www.oteea.org).

---

## 44th Annual EECO Conference

*"Charting a Course for the Future in Environmental Education"*

**April 14-17, 2011** at Maumee Bay State Park in Oregon, OH. For full conference information and registration, please go to: [www.eeco-online.org](http://www.eeco-online.org)

---

## Third Annual Emerging Leaders Conference for Ohio Mathematics Educators

On Saturday, April 2, 2011, teachers with fewer than six years of professional teaching experience and pre-service teachers are invited to participate in the Third Annual Emerging Leaders Conference for Ohio Mathematics Educators held at Ohio Dominican University in Columbus. Attendees will engage in leadership development activities with experienced Ohio mathematics educators, including OCTM officers, and will become familiar with mathematics professional activities and opportunities in Ohio. Each participant will receive leadership resources, an OCTM gift, and a certificate of attendance for 5.5 contact hours. To download a registration form (in Word) go to: <http://www.ohioctm.org/Documents/OCTM%20Flier2011.doc>

[\[back to top\]](#)

---

**Next month's e-newsletter: STEM Summer Camp Opportunities!**

---

## NWO Hands-On Activity



**Egg Science**



More than a billion eggs are purchased this time of year during Passover and Easter seasons. Take advantage of timely egg sales to do a bit of classroom experimentation with them. **Grade Level 2-8**

***What you need:***

- a hard-boiled egg (one for each group)
- an uncooked egg (one for each group)
- a table or other smooth, hard surface
- a pencil and paper to record observations

Download a pdf of the complete hands-on activity by [clicking here!](#)

[\[back to top\]](#)

## **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. We are always looking for great STEM education stories to feature in upcoming newsletters.

**Join us on [Facebook](#)**

[Forward email](#)



This email was sent to laddis@bgsu.edu by [nwo@bgsu.edu](mailto:nwo@bgsu.edu) | [Update Profile/Email Address](#) | Instant removal with [SafeUnsubscribe™](#) | [Privacy Policy](#).

COSMOS BGSU | 241 Math/Sci Bldg. | BGSU | Bowling Green | OH | 43403