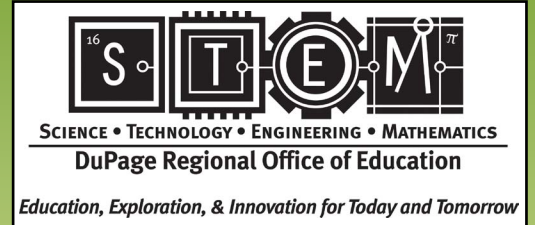


# STEM

News You Can Use . . .



January 2014

## STEM Daughter-Parent Event at Argonne

Approximately 150 students and parents attended the annual STEM Daughter-Parent event on November 15 at Argonne National Laboratory. Participants learned about STEM careers and attended breakout sessions in which students worked on a design project and parents shared ideas about supporting their students' interest in STEM. Thanks to Argonne for hosting the event, the Argonne staff for supporting the event, and the Downers Grove AAUW for assisting.



Photos from the November 15 STEM Daughter-Parent Event at Argonne National Laboratory

## DuPage STEM Jobs Report

STEM related jobs continue to offer many employment opportunities in DuPage County. What areas top the list and what salaries do these jobs offer? Read more at <http://www.dupageworkforceboard.com/career-readiness/science-technology-engineering-math-education.html>

## Educator Lists Free Math Apps to Help Increase Student Engagement

Educator/blogger Monica Burns shares a list of free iPad applications that math educators can try out in their classrooms, including apps that can help teach time, angles and decimals. "Whether you're modeling a lesson, creating stations or working in a one-to-one classroom, virtual tools can promote student engagement while increasing academic success," she writes. <http://www.edutopia.org/blog/11-virtual-tools-math-classroom-monica-burns>

## Math Does Not Have to be Boring

Are students turned off to STEM because of their school experiences? Learn more: <http://www.nytimes.com/2013/12/08/opinion/sunday/who-says-math-has-to-be-boring.html>

## STEM Connector website

USInnovation.org was created to advance the STEM agenda through news, data and research. Find interesting information and links: <http://www.stemconnector.com/>

## Coming Events

### February 9, 2014, 1 to 5 p.m. Fermilab Family Open House

Join us for this party for children who bring an adult with them. Learn about the world of physics and tour the Cockcroft-Walton accelerator, linear accelerator gallery, and Main Control Room. Explore physics concepts with hands-on activities. Ask a scientist your physics questions. Enjoy exciting science demonstration shows. The open house is most appropriate for families with children in grades 3 and up with tours restricted to those ages 10 and up. The program is free, but registration is encouraged. Contact [edreg@fnal.gov](mailto:edreg@fnal.gov) (preferred) or 630-840-5588. More information <http://ed.fnal.gov/openhouse>

### February 15-16, 2014 – 11:30 a.m. – 5 p.m.

### Visit the Fermilab Education Office at Family Science Days at the AAAS (American Association for the Advancement of Science) Annual Meeting

Family Science Days are FREE and open to all. Explore interactive science exhibits, learn about cool science jobs, and have your questions answered by scientists! This free community science showcase features hands-on demos, shows, and other activities appropriate for K-12 children and their families. Hyatt Regency Chicago, 151 East Wacker Drive, Chicago, IL. <http://meetings.aaas.org/public/family-science-days/>

### February 17, 2014, 10 a.m. to 12 noon, ROE STEM Open House

This free event is open to 5th through 8th grade students who must be accompanied by a parent or guardian. Flyers and registration form will be emailed in January to newsletter recipients and parents who attended the November 15 event. Register early to ensure your spot. Contact Mary Biniewicz for more information: [mbiniewicz@dupage.k12.il.us](mailto:mbiniewicz@dupage.k12.il.us)

### February 22, 2014, Engineer's Week Celebration, IIT-Rice Campus, Wheaton

Fun, free, family interactive event providing children and adults the opportunity to experience and explore the many fields of science and engineering through interactive displays and presentations. The 30th Annual Engineers Week Expo is geared toward children in K-8th grade, however, all ages will enjoy the event! <http://www.dupageeweek.iit.edu/>

## Resources

### Benedictine Degree Program

Benedictine University, in partnership with Brookfield Zoo, Fermilab, the Forest Preserve District of DuPage County, Morton Arboretum, and the Golden Apple Foundation, offers a Master of Science degree in Science Content and Process. The program provides K-9 teachers and other science educators integrated content knowledge in general science utilizing the resources of the local scientific community. This program is intended for teachers who want to increase science knowledge and confidence in science teaching and addresses content and pedagogy expectations of the NGSS. See <http://www.benuscience.org/msscp/index.php> for more information or contact Allison Wilson at [awilson@ben.edu](mailto:awilson@ben.edu).

### University of Illinois Extension Offers Incubation & Embryology for School Classrooms

What is more fascinating than seeing a fully developed baby chick emerge from an egg? Just 3 weeks of incubation transforms a seemingly lifeless chicken egg into an active, living being. During the 21-day incubation period, students learn to prepare eggs, set up an incubator, record progress, turn eggs, and test eggs for fertility. The project aligns well with the NGSS. For information about costs, teacher training registration and fertile egg order: <http://web.extension.illinois.edu/dkk/embryology/>. Questions? Contact Pat Luster, [pluster@illinois.edu](mailto:pluster@illinois.edu) or 630-955-1123.

### NSTA STEM Classroom Newsletter

The December issue presents a "sound" lesson and dissects the lesson into all four STEM components. For details: [http://www.magnetmail.net/actions/email\\_web\\_version.cfm?recipient\\_id=1168659052&message\\_id=3155584&user\\_id=NSTA&group\\_id=807751&jobid=15957086](http://www.magnetmail.net/actions/email_web_version.cfm?recipient_id=1168659052&message_id=3155584&user_id=NSTA&group_id=807751&jobid=15957086)

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