

October 2016

# News You Can Use...



VISIT THE DUPAGE ROE STEM WEBSITE AT <http://www.stemdupage.com>.



### Eight Reasons to Empower Girls in Schools

'Girl fueled' youth activism has educational benefits. [Read more.](#)

### Fueling Exploration, Creation and Invention

Learn some of the ways in which STEM and makerspace projects can be blended. [Click here.](#)

### Visual Experience Shapes How Individual Learn Math

Researchers compared data from two groups, one with congenitally blind individuals and the other with sighted individuals. Regardless of sight, members of both groups used the area of the brain often used for visual processing. [The Atlantic Online.](#)

### Minecraft to Launch Education Edition Nov. 1

More than 35,000 students and teachers have tested and given feedback on a free, trial version of Minecraft: Education Edition. The full version, to be released Nov. 1, will add a companion app for teachers to use in the classroom. [TechCrunch](#)

### Apple Announces New Coding App is Available

The learning and teaching materials for Everyone Can Code are now updated and available for download. Check out Swift Playgrounds, the new app for teaching coding on iPad, and the iTunes U course, App Development with Swift, that teaches those new to programming to build their first app with Xcode. [Visit Everyone Can Code here.](#)



(Leon Neal/AFP/Getty Images)

## Upcoming Events and Opportunities

### NGSS, 3-D Learning and Design, and Use of Classroom Assessments - November 15, 2016

Wondering how to develop NGSS aligned assessments? Still have questions about the 3-dimensional aspect of NGSS? Join others in the journey to understand and apply these concepts. Designed for Grade K-8 educators, with break out grade level sessions, too. This is a rare opportunity to learn from Dr. James Pellegrino and other NGSS assessment researchers/authors. To learn more, [click here.](#)

### Elementary Science Olympiad Program for Grades K-5 - May 6 or 13, 2017

Form a team to compete in 12 different elementary science events. The team registration fee (\$125), which covers registration for National Science Olympiad organization and participation in the tournament, can be done at [www.illinoisolympiad.org](http://www.illinoisolympiad.org). A training and support program about the Olympiad, team logistics, and specific competitive events will be held on Saturday, November 19, 2016 at Palatine High School. Interested in learning more? Go to the [website](#) or email [elementary@illinoisolympiad.org](mailto:elementary@illinoisolympiad.org).

### Fiction to Action - November 17, 2016

Join NIU, the DeKalb Public Library, and author Mike Mullin for a fun and thought provoking evening. One session focused on Sci-Fi stories and hands-on activities. For more information, use this [link](#).

### EGIRL Essay Contest - Deadline February 1, 2017

Boys and girls in grades 3-12 can write and submit an essay on how engineers impact the animal world. Interested in more information? [Click here.](#)

## Resources

### Stanford Center Offers Free Math Activities, Videos for K-12 Instruction

Youcubed has debuted "[Week of Inspirational Math](#)," five free math lessons for K-12 teachers. The series, which aims to foster visual and creative math experiences, comes with activities and motivational videos.

### Educational Grants and Resources

Access educational grants, contests, awards, free toolkits, and classroom guides aimed at helping students, classrooms, schools, and communities. Check this page weekly to get the latest updates! [www.edutopia.org/grants-and-resources](http://www.edutopia.org/grants-and-resources)

### The Learning Lab at Argonne National Laboratory

Students and their teachers are immersed in challenges to discover skills and dispositions used by scientist to make sense of the world. The three-hour labs are NGSS-aligned, inquiry-based, and technology-driven. To learn more, [click here.](#)

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