VISIT THE DUPAGE ROE STEM WEBSITE AT http://www.stemdupage.com.
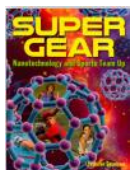
Careers with Code
Click here to access this magazine and online resource that shows how computer science can intersect with students' passions to create a dream career in health, sports, business, virtual reality and more.

Eight States Have Fewer Than 10 Girls Take AP Computer Science Exam
More girls take the AP exam but in eight states the numbers lag far behind boys in this area of study. Read more in Education Week.

NSTA Reveals Inaugural List of Best STEM Books for Students
Check out these STEM titles for K-12 students and teachers, selected by volunteer educators in cooperation with the Children's Book Council.

NASA Addresses Diversity
During the *Grace Hopper Celebration of Women in Computing*, three prominent and inspiring women addressed a range of important issues regarding women in NASA and diversity in STEM careers. Read more about the event and watch the complete video interview.

New from the ROE

Upcoming Events and Opportunities

NGSS - 3D Learning, Phenomena, Driving Questions, Storylines, and More! - January 31, February 16, and March 3
This is **the** NGSS workshop that has been requested by K-8 teachers throughout DuPage County. Gain new insights about building a coherent science curriculum while leveraging the use of driving questions and storylines within the context of the three-dimensional nature of the NGSS. This is a three-session workshop series. Participants must attend all three sessions due to the sequential nature of the content. For more information, click here. Registration closes January 24. Get your spot early!

Fermilab's Teacher Research Associates Program
Appointments expected to be available for Summer 2017 to provide outstanding science, mathematics, computer science and technology teachers with professional scientific, engineering or technical experiences through summer research opportunities. The eight-week appointments have a stipend of $700 per week. See details on the website. The expected application deadline is February 19, 2017.

Innovative Online Graduate Courses for Progressive Science Educators
Learn to apply phenomena, disclosure, and sense-making to your teaching strategies through MSSE 501 Teaching Inquiry Through Science and Engineering Practices. Check out this and Spring 2017 online courses offered by the Master of Science in Science Education (MSSE) program at www.montana.edu/msse.

Resources

Coding Resources
Although the official week or hour of code has past, here are some great resources to help you get started.
Guest Blog Post from Girls Who Code; Young Women in Computing; Made with Code; Design Squad Global; Diving into Careers with Code with Google and the National Girls Collaborative.

Grant Opportunity from the National Science Foundation
The NSF has allocated $6,000,000 for project awards as part of their Cyberlearning and Future Learning Technologies program to integrate opportunities offered by emerging technologies in three interconnected areas: Cyber innovation, learning innovation, and advancing understanding of how people learn in technology-rich learning environments. Read more.

Community Action Grants Sponsored by AAUW
These grants allocate funds for programs and non-degree research projects in science, technology, engineering or mathematics to promote education and equality for women and girls in grades K-12. Learn more.

Shell Science Teaching Award
This award recognizes one outstanding classroom teacher in grades K-12 who has had a positive impact on students, the school, and community through exemplary classroom science teaching. The deadline is January 6, 2017. Click here for more information.