

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



The STEM Learning Ecosystem

The nature of STEM learning is changing with 24/7 access to science-related information and the focus on life-long experiences. Today's opportunities include traditional schooling and numerous informal opportunities that collectively form the STEM learning ecosystem. Learn more about leveraging these opportunities to enrich STEM learning. <http://csl.nsta.org/2016/03/taking-an-ecosystem-approach/>

Engaging America's Youth in STEM through Hands-On Experiences in Labs and Communities Across the U.S.

The U.S. has more than a half-million job openings in information technology and more that require STEM training. The Administration is working to provide opportunities in STEM and entrepreneurship. [Read more here.](#)

How Female Science, Math Teachers Influence Whether Young Women Major in STEM Fields

Technology giant Google was heavily criticized for its statistics on workforce diversity in May 2014. Media organizations have tracked the company's progress in closing the gaps. The reality is that far fewer women and minorities enter STEM careers. [Read more here.](#)

Do Students Have Time to Tinker?

Tinkering fosters deeper learning, suggests Jasmine Escalante, product development and curriculum writer for MindWorks Resources. Students benefit from the "journey" of tinkering -- not necessarily the end result. <http://www.eschoolnews.com/2016/01/28/why-we-all-need-time-to-tinker-with-tech/?/>

Upcoming Events and Opportunities

Latina STEM Conference - April 9, 2016

Invite an 8th grade Latina girl and her mother/mentor/teacher to a FREE STEM conference at Fermilab on Saturday April 9th. Details with link to registration and event flyers in Spanish and English: <http://latinaconference.org/stem-conference/>

Tech Savvy – April 16, 2016 at Oakton Community College

Introduce girls in sixth through ninth grades to many types of careers in science, technology, engineering, and math (STEM), and help them learn "savvy skills" such as negotiation and public speaking. Learn more: <http://www.aauw.org/what-we-do/stem-education/tech-savvy/#schedule>

The National Academy of Engineering Announces the E4U3 Video Contest

NAE is looking for 1 to 2 minute videos that introduce a particular mega-engineering project and will award the \$25,000 Grand Prize for the most inspiring video. Submissions accepted from **March 1, 2016 to May 31, 2016**. <http://www.nae.edu/e4u3/#linkPrints>

Brookfield Zoo

Choose from numerous educational opportunities designed with teachers in mind. <https://www.czs.org/Brookfield-ZOO/Learning/Teacher-Resources-Classes>

Resources

Intriguing Appearances of Pi and the Fibonacci Sequence

Explore these instances outside of mathematics in the video [Pi & The Fibonacci Sequence](#) from The Great Math Mystery. Grades 6-12.

Encouraging Students to Consider Engineering and Science

Show them that people working as engineers and scientists reflect a wide range of backgrounds and interests. The Secret Life of Scientists and Engineers is a fun and insightful collection of profiles from NOVA. <http://www.pbs.org/wgbh/nova/blogs/secretlife/>

New Look for the NGSS Website

The NGSS website has a brand new look and more levels of utility. The revamped website has new features for parents, teachers, administrators and others. <http://www.nextgenscience.org/>

Google for Educators: Best Features for Busy Teachers

Edutopia has a [great article](#) highlighting tools from Google for Educators. These resources will keep teachers and students inspired, inventive, and organized.