

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



(TCD website)

### Technology Center of DuPage Students Excel at State Competition; Two Go to Nationals!

Twenty-four TCD students competed in the [53rd Annual SkillsUSA Illinois State Leadership and Skills Conference](#). Eight placed first, second, or third in their respective contest divisions, and six placed in the top ten.

### Preventing Burnout

Learn about some of the adjustments that can pay off big time in helping you to [prevent overload](#).



### Girl Subject? No Such Thing

When adults say that a female student or child isn't "good at" science or math, they likely meant to be helpful and to encourage the student to pursue other areas of interest. That is usually not the message received. [Read more](#).

### Five Easy, Low-cost Ways to Do AR & VR in Your Classroom

[Classroom integration](#) of augmented and virtual reality does not have to break the bank.



(LinkedIn)

### Data-Driven Instruction: Top Trend in K-12 Use of Ed-Tech

Educators' [use of data](#) to make decisions about instruction and intervention rises dramatically in U.S. schools.

### Skills Deficit Predicted to Imperil U.S. Economy by 2030

A shortage of skilled workers in multiple industries is expected to result in a loss of revenue for the US economy, according to [a report](#) from Korn Ferry.



(Pixabay)

### Why We Need More Students of Color in Math Enrichment Programs

The good news - the number of American teens who excel in math is increasing. The bad news - the growing ecosystem of high school math lacks students of color. [Read more](#).

## Upcoming Events and Opportunities

### Summer Fun Begins with STEM at Fermilab - June 11, 2018

Take advantage of this unique opportunity. Participants will learn and apply the connections between STEM, NGSS, and real-world scientific investigations at Fermilab. Hear from Fermilab scientists, engineers, and technicians regarding how the scientific process progresses from asking questions, to building and running experiments, to analyzing data. [Read more](#) and [register here](#).

### Chicago Botanic Garden Professional Development Offerings

Features best practices in STEM education (Science, Technology, Engineering, and Math) and supports Next Generation Science Standards (NGSS) for grades preK-12. Many courses incorporate reading, math, art, social studies, and engineering into the science lessons. PD hours and graduate credits are available for most [workshops](#).

### DuPage Children's Museum Expo - August 29, 2018

This is a free event to network and discover programs, resources and products to enhance your work with students. [Click here](#) to learn more and register.

### MCMI Summer 2018 Math Institute - July 31 through August 2, 2018

The [institute](#) includes daily featured speakers, core sessions focused on themes presented by the featured speakers, and choice sessions to accommodate the needs of a broad audience of learners.

### Illinois Department of Natural Resources Workshops

[Register](#) for ENTICE (Environment and Nature Training Institute for Conservation Education) educator workshops, which provide background information, networking opportunities, hands-on lessons, supplemental resources, and correlations to Next Generation Science Standards and/or Illinois Early Learning and Development Standards.

### Collaboration and Creating an NGSS Storyline – June 18-21, 2018

Participants will focus on NGSS implementation through the creation of an NGSS storyline unit based on phenomenon-driven investigation using the three dimensions as prescribed by the NGSS. [Learn more](#).

### Enhance Your Knowledge of the Next Generation Science Standards

Enroll in the NSTA [Shifting to the NGSS: Professional Book Study](#) in October 2018!

## Resources

### ETA/Hand2mind Offers STEM Grants

Support excellent teachers who would like to integrate more STEM in their classes but may be lacking funds. In partnership with ISTA and ICTM, ETA/hand2mind is offering **three (3) \$1500 awards**. [Applications](#) accepted through 9/7/18.

### ACS Chemistry Teacher Award

The Chicago Section of the American Chemical Society seeks nominations for a high school chemistry teacher in the Chicagoland area to receive a \$1000 award to recognize and encourage excellence in teaching. [Nominations](#) are due July 1. [Read more](#).

### Amazon Future Engineers Pathways Program

This program will provide Amazon sponsorship for eligible schools to help implement AP Computer Science in the upcoming school year. All schools, including Title 1 schools and/or those schools and districts with financial barriers, are strongly encouraged to apply. To get started, please complete the [application](#) as soon as possible.