

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



### The Importance of Digital Literacy

Coding is one thing but learning how to identify misinformation is quite another in our complex digital world. [Join the conversation](#) about teaching children digital literacy skills.

### Connecting During the Pandemic

Human connections are even more important during remote and blended learning sessions. Consider [these strategies](#).



### Teacher Morale During COVID-19

What are the three keys to [keeping morale up](#) during COVID and the shifts to online and hybrid learning? Clarity, competence and community.



### Three Things to Look for in STEM Activities for Kids

STEM is more than the sum of its parts (science, technology engineering, mathematics). STEM activities should be opportunity to integrate all areas and link them to outside world. Here's [what to look for](#) in activities.

## Upcoming Events and Opportunities

### Elevating Youth Voice in STEM Programming; October 6, 2020

In this webinar, participants will learn more about how STEM programs can uplift and empower youth. [Register here](#).

### Picture a Scientist: Bringing Gender Equity in Science to the Big Screen; October 13, 2020

[Join the National Girls Collaborative Project](#) for a panel discussion with Picture a Scientist's film makers. Links between STEM and film making and other aspects of the struggles and strides of women in STEM will be featured. Suitable for educators as well as other viewers age 14 and up.

### California Academy of Sciences Offers Online Professional Development

[Digging into Data \(Grades 6 - 12\)](#); October 3 or November 7. Support students in using data to draw conclusions, build understanding, and think critically about claims based on data.

[Engaging Learners with the Academy's Online Resources \(Grades K - 12\)](#); November 18. Learn more about the resources offered, *including* videos, lesson plans, live animal webcams, and livestreams for classrooms. Participate as a learner in activities that model best practices for interactive distance learning, and plan with grade-level peers.

### ICTM Annual Conference; October 17, 2020

Illinois Council of Teachers of Mathematics offers their first virtual conference. See [details](#) here.

### STEM Contests

Looking for competition opportunities for your students? This [website](#) details a large number of STEM competitions available for various grade levels.

### A Salute to Engineering Essay Contest

The 2021 EngineerGirl Writing Contest invites your students to submit a piece of writing that salutes engineering's role in meeting and defeating the challenges presented by COVID-19. Learn more [here](#).

## Resources

### Return to Learn Playbook

This [guide](#) was created to help prepare educators for an uncertain school year. It is centered around digital engagement, feedback, and communication themes and how these themes look in a remote learning setting and a hybrid model. It contains a collection of strategies, tools and platforms, best practices, templates, and other resources. Thanks to Nicole Zumpano for sharing this amazing resource.

### Connected Science Learning

Our rapidly changing world requires educators to become more adept at guiding students in becoming responsible and contributing citizens. [Read more](#) about design thinking, STEM strategies, equity in the classroom and other factors contribute to the process.

### Teaching about Earthquakes?

The California Academy of Sciences offers numerous [resources](#) to assist. In addition, the ROE STEM Team has earthquake simulation kits that can be borrowed for up to two weeks at a time. For information about the kits, email [mbiniewicz@dupageroe.org](mailto:mbiniewicz@dupageroe.org).

### Car Crash Safety and Newton's Third Law

The Science Buddies website has over 100 lessons you can access divided by grade level. Here is [one](#) about car crash safety.

### NSTA Daily Do Lesson Plans

These [lesson plans](#) are not all science! And, several are easily adaptable to remote or blended learning. This highlights plans geared toward middle school but lesson for all grade levels are available.

### 60+ Best Math Websites

No one said teaching math remotely would be easy but these [math sites](#) may help.