

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



Effective Questioning During Virtual Learning

Here are [some thoughts](#) about building on students' natural curiosity to advance their thinking about ways to ask and answer questions.



Nine Ways Technology Can Boost STEM Learning

Technology plays an important role in the STEM learning process. Research literature asserts there are at least [nine ways](#) that technology can enrich STEM learning.

Program Taps Games, Problem Solving in Math

ST Math is reported to build understanding through problem-solving games while helping to ease math anxiety among students with special needs. [Click here](#) for the full story.



(Pixabay)

How to Make STEM Lessons More Engaging for Young Learners

These easy-to-implement [strategies](#) can make science, technology, engineering and math lessons come alive for elementary students.

Upcoming Events and Opportunities

Hour of Code – December 7-13

Here are some great [resources](#) to engage your students in coding activities. Thanks to the Illinois Tech Ed Coaches and teachers who contributed and to Nicole Zumpano, Regional Education Technology Coordinator Chicagoland with the [Learning Technology Center of Illinois](#), for facilitating.

COVID-19 Safety in the Science Department

Flinn Scientific will review and provide best practices for prevention, sanitation, disinfection, and hygiene protocols in science labs, classrooms, and prep areas. District leaders are invited to register for the session on [December 7 at 2 pm](#) (Central Time) and K-12 educators are invited to register for the session on [December 9 at 7 pm](#) (Central Time).

ICTM Seminar – Lessons from Remote Learning, Leading and Coaching

The Illinois Council of Teachers of Mathematics is hosting this seminar on December 8. Facilitators are Kyle Harlow and Kristopher Mason. Members, please register in advance [here](#) or [via Zoom](#).

Connected Science Learning – Call for Contributions due January 15, 2021

The National Science Teaching Association is accepting [manuscripts](#) for an upcoming issue on the topic of science communication.

Saturday STEM Academy – Winter 2021

Girls 4 Science offers a [free six-week, Saturday STEM Academy for girls age 10-18 years](#). The Winter quarter will run on Saturdays from January 16 through February 20, 2021, and will focus on Microbiology.

Resources

ISBE Career Guide

The Career Guide is a comprehensive resource for students, parents, counselors, and teachers and includes new CTE and career pathway information, in-demand occupations in Illinois, and highlighted employers throughout the state. [Preview](#) a copy. The DuPage ROE has a limited supply of free, print copies. Contact Mary Biniewicz at mbiniewicz@dupageroe.org for more information.

Mathematical Modeling of Real-World Problems

Use this [resource](#) to better understand how to engage students in authentic problem solving that will equip them with skills that are essential to succeed in future job markets and to thrive as global citizens.

Imagineering in a Box

Access this [free, online program](#) that brings together the diverse talents of Disney Imagineers around the world for a one-of-a-kind learning experience and is part of Disney's commitment to helping today's youth create the future they imagine.

ISTE20: Digital Tools Make Learning Accessible

Presenters at ISTE20 demonstrated how technology can help make learning more accessible for students. Read the [full story](#).