

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



Black History Month

Celebrate and honor the innovations and advances made by African American mathematicians, scientists, technologists, and others in the STEM field. Here are some places to get started: [Live Science](#), [SciTech](#), [Buzzfeed](#), [Varsity](#), [Biography](#), [Orlando Science Center](#), [Math & Movement](#), [Mashup Math](#), [How Stuff Works](#), and [Nature](#).

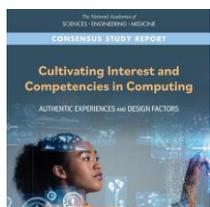


Emerging Technology Can Improve Online Math Engagement

Thoughtful content and emerging technologies lead teachers to successful online classes. [Read more](#).

Cultivating Interests and Competencies in Computing

A new report from the National Academies of Science, Engineering, and Medicine describes ways authentic STEM experiences help students develop interest and competencies in computing, with "particular attention to approaches and experiences that promote the success of children and youth from groups that are typically underrepresented in computing fields. See the [summary](#) or access the full report [here](#).



Mission Unstoppable

The CBS educational/informational series has been picked up for a second season, which started in January. The show is part of the CBS Dream Team, It's Epic program block and centers on diverse female STEM professionals as role models. The program airs at 11:00 am on Saturdays.

Upcoming Events and Opportunities

Facebook Live Career Connections Chat - February 16, 2021; 5:30 pm

Join Dr. J'Tia Hart, nuclear engineer at Argonne National Laboratory, as she talks about her interest in increasing minority participation in STEM in this [Facebook Live](#) presentation, courtesy of the Carnegie Science Center.

Mission to Mars Student Challenge - Scheduled Landing - February 18, 2021

NASA's Jet Propulsion Lab has created a STEM [toolkit](#) for K-12 educators and families that focuses on the scheduled landing of the Mars Perseverance Rover on February 18. [Watch the touchdown live](#) and lead students in designing and building their own mission to Mars with guided plans featuring standards-aligned STEM lessons and activities, plus live stream Q&A's with experts and opportunities to share student work worldwide.

Illinois Institute of Technology - 37th Annual STEM Expo - February 21-27, 2021

The DuPage Regional Office of Education STEM Team will join other STEM presenters involving students in online STEM activities for grade K-12 students as part of National Engineers Week. For more information, [click here](#).

DiscoverE Celebrates Engineers Week!

Check out DiscoverE's library of [STEAM activities and video challenges](#) you can use to engage students in engineering at home and online!

Presidential Award for Excellence in Mathematics, Science Teaching (PAEMST) - March 1, 2021 Due Date

Know someone worthy of being considered for the nation's highest honor for teachers of science, technology, engineering, mathematics, and computer science? Hurry!!! [Nominations](#) for 7-12th grade teachers close on March 1, 2021.

What Is Social Justice in the Science Classroom - March 6, 13, 20 and 27, 2021

Join NSTA for this [four-part, interactive, virtual miniseries](#), jointly hosted by the Association for Multicultural Science Education (AMSE) and NSTA's Committee on Multicultural / Equity in Science Education. \$70 for members; \$85 for nonmembers. Early bird rates available.

Virtual Aviation Day for Educators - March 26, 2021

Want to know more about aviation, aviation careers, and how to integrate aviation concepts into your curriculum? [Register](#) for this event, sponsored by IMSA and Scott Air Force Base.

Resources

Lions, and Tigers, and Dragons, Oh My!

[Raising Dragons](#) offers a collection of learning activities that most often use materials found around the house. While many are geared toward younger learners, many can easily be adapted and made more rigorous with a little thought. Consider doing a [snow volcano!](#)

Your Digital Footprint: Data and Energy Use

Cell phones and laptops use energy to charge their batteries. But did you know that sending emails, texts, and Snapchats requires more energy? This [video and sample discussion questions](#) will help your students investigate digital data and energy consumption.

At Home Science

Whether you are teaching in the classroom or virtually, Learning Undefeated has posted [30+ video experiments](#) using items found in most homes.

Connecting Mathematics and Science through Literature and Storytelling

In this recorded [webinar](#), explore how literature and storytelling paired with mathematics and science create an incredible opportunity to make connections for students. Using children's literature and storytelling to connect math and science helps build positive identities, guides students as they make sense of the world, and provides occasions to experience joy, wonder, and beauty across these subjects.