



Lack of Home Internet Access Poses Educational Hardship

[Students without home internet services](#) are at a disadvantage when at home completing assignments, especially in later grades. The issue is significantly more pronounced in high-poverty schools.



New Tool Shows Frequency and Usefulness of Google Apps in K-12

[Read](#) how Google helps educators obtain data on how often Google apps are used and for which tasks.

More Learning in Active Learning Classrooms - But Students Don't Know It!

Evidence shows that active learning techniques that involve students in the learning process are even more effective when students know it. Read about the Harvard study in [Science Daily](#).



National Hispanic Heritage Month - September 15 through October 15

Here is a sampling of resources that serve to promote Latino(a) students in STEM.

[Hispanic Heritage Youth Awards](#) honors Latino high school seniors who excel in the classroom and community. Application deadline is October 15, 2019.

[Latina Girls Code](#): Provides technology exposure and resources for Latinas ages 7-17.

[Latinas in STEM](#): Spreads awareness about STEM and encourages middle and high school Latinas to consider pursuing a STEM career.

[SHPE Jr. Chapters](#): Provides high school students with opportunities to participate in STEM activities, receive mentorship, and experience STEM firsthand at a participating university/museum.

[TECHNOLOchicas](#): Raises awareness among young Latinas and their families about opportunities and careers in technology.



Upcoming Events and Opportunities

2019 ISTA/ICTM Joint Conference - October 18-19, 2019

Coming soon – an opportunity you will not want to miss. Sessions for science, math and STEM teachers of all grade levels. Attendees may choose to attend math and/or science offerings. [Learn more](#).

Illinois Future City Competition - January 18, 2020

Sixth-eighth graders are invited to participate in this exciting competition to be held at Whitney Young Magnet School (Chicago). Details and the theme will be announced in June. More information [here](#).

Fermilab Education Program E-Alert

Explore Fermi's STEM education and outreach programs to engage students and support teachers in meeting the goals of the NGSS. [Connect with Fermi](#) today!

2019 NISE Conference - November 18, 2019

Northern Illinois Science Educators will host its sixth [annual conference](#) in Naperville. Registration includes food, workshops, and nationally recognized featured speakers. Group discounts available.

Resources

DuPage Ag in the Classroom Resources

- Illinois Ag in The [Classroom Grants](#) can be used for projects or books. Due date is October 11, 2019.
- DuPage County [Farm Bureau Grants](#) can be used for projects, libraries, and 4-Hers. Due date is November 8, 2019.

Explore the TeachEngineering Curriculum Collection

[TeachEngineering](#) is a searchable, web-based digital library collection comprised of standards-based engineering curricula for use by K-12 educators.

LEGO™ Released Audio and Braille Instructions for Visually Impaired Builders

Building-block toys are frequently used in STEM activities for students. The instructions offer additional educational opportunities for students who are visually impaired.

Open Science Educational Resources

[OpenSciEd](#) materials are open educational resources (OER), free for anyone to use, share, redistribute, adapt, transform, and build upon. New units, NGSS-aligned and developed with and for educators, will be released every 6 months.

STEM VOICES

Do you use songs to teach? Enter the Virtual Ongoing Interdisciplinary Collaborations on [Educating with Sound contest](#) by December 31.

STEM Equity Program Evaluation Rubric

Though intended for STEM Schools, one could use this rubric to help identify critical attributes of STEM programs regarding inclusiveness and access to opportunities among historically underrepresented groups. [View a video and access the rubric](#).

Vector Voyage

Middle school students learn the concept of dead reckoning by using vectors to plot a course based on a time and speed, then correcting their positions with vectors representing winds and currents. [Learn more](#).

STEM Activity Clearinghouse

Librarians, library staff and other educators can find high quality, [vetted STEM activities](#) that are appropriate for library use here. Search by audience, content level, and difficulty, among others.