

January 2020 Newsletter

[Campaign Preview](#)

[HTML Source](#)

[Plain-Text Email](#)

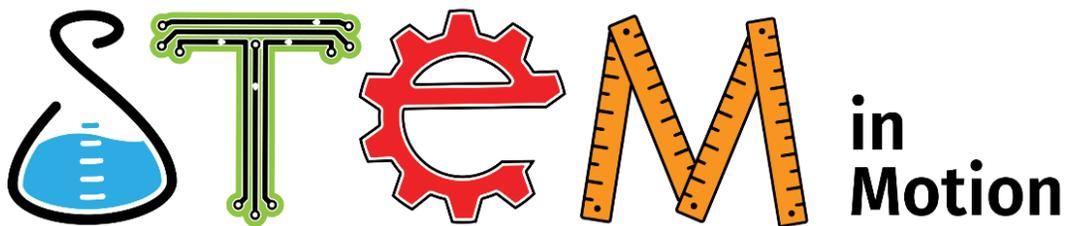
[Details](#)



STEM News | January 2020

Featured

Utah





The Utah STEM Action Center is excited to announce the evolution of it's STEM Bus Program to include many new and exciting opportunities for students, all under the new name, Utah STEM in Motion!

STEM in Motion (SIM) is a mobile, educational STEM program that provides hands-on, project-based learning for students in grades K-8. Students learn fundamental STEM concepts and put them to work with a variety of projects and activities. Our program gives students access to new, engaging STEM learning, which may not always be readily available. STEM in Motion will focus on quality in-classroom instruction and exciting activities, while reserving the use of the Utah STEM Bus for local events and conferences.

The STEM in Motion team is also excited to share a NEW resource with educators: our STEM Equipment Library, which includes kits comprised of high-quality, engaging STEM supplies educators and administrators can check out for FREE! Our current listings include several kits full of robotics equipment appropriate for any grade or age, with more equipment kits coming soon. To learn more, and to check out a kit, visit us at <https://stem.utah.gov/educators/stem-equipment-library/>.

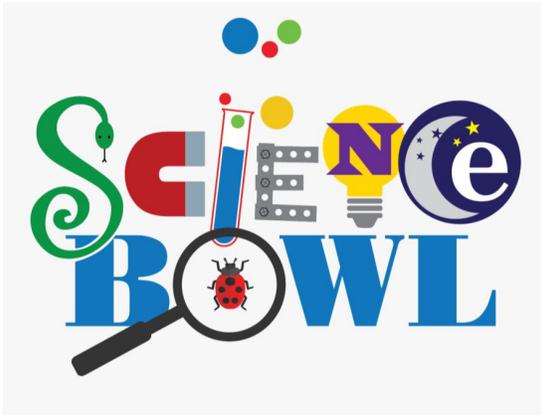
To learn more about the STEM in Motion program and subscribe to the interest list, visit <https://stem.utah.gov/educators/stem-in-motion/>.

A promotional graphic for a basketball game. At the top, the words "STEM NIGHT" are written in a large, bold, orange, brush-stroke font. Below this, there are four logos: a star with "SLC" inside, the "STEM ACTION CENTER UTAH" logo, the "Med One" logo, and the "adidas" logo. In the center is a basketball player wearing a dark blue jersey with yellow trim and "SLC" on the front, holding a Spalding basketball. At the bottom, there is an orange banner with the text "TICKETS: SLCSTARS.COM/STEM2020" in white. Below the banner, the text "FRIDAY, JAN. 24 | 7PM" and "VIVINT SMART HOME ARENA" is displayed in white.

STEM Night at the STARS Game

The Salt Lake City Stars will host kids of all ages for a [fun night of STEM](#) learning at their game presented by Med One Group and Adidas on Friday, Jan. 24, at Vivint Smart Home Arena when they take on the Stockton Kings. Doors open at 6:00 p.m. with tip-off at 7:00 p.m. The Stars are also partnering with the STEM Action Center to recognize outstanding students that have demonstrated their commitment and passion for excellence in their STEM efforts in school and their community. [Nominate your outstanding STEM student today!](#) Share our [Facebook post](#) with friends.

Teacher Opportunities



Utah will be hosting its first National Science Bowl Regional Qualifier this March 2020. The National Science Bowl is a national competition for middle and high school students where the top qualifying teams in the regional competition receive an all-expenses-paid trip to Washington DC to compete in the national competition. [More information](#)



Infymakers are excited to announce that the application for Infy Maker Awards 2020 is now open! Infy Maker Awards is open to K-12 schools and youth-serving organizations who aim to create more opportunities for students to engage in hands-on, interdisciplinary learning through making. Ten organizations will each receive a \$10,000 grant. To apply and for more information, visit infymakers.com

National STEM News



New Law Boosts Girls' Access to STEM Education at Earlier Ages

The law calls for more research and grants to expand existing National Science Foundation initiatives.

[Read more](#)

Entrepreneurship Challenge 2020



We can <code> it!

The Utah STEM Action Center's nonprofit--the Utah STEM Foundation--is excited to announce the 2nd annual STEM Entrepreneurial Challenge benefitting Girls Who Code (GWC) clubs in Utah. This is a great opportunity for GWC clubs to be awarded grants toward STEM Scholarships, equipment, and programs in associated schools. It also is an opportunity to highlight the efforts of individuals and clubs, expand Girls Who Code clubs statewide, and incentivize girls to continue on in STEM subjects.

This challenge is available to all individuals and clubs involved in the Girls Who Code program. **Projects don't have to be completed to enter!** Awards include scholarships & grants.

Application, rubric, and guidelines will be released on February 3rd, 2020.

Contact Jack Markman at jmarkman@utah.gov for more information.

[2019 Entrepreneurial Challenge Winners](#)

Helpful Resources

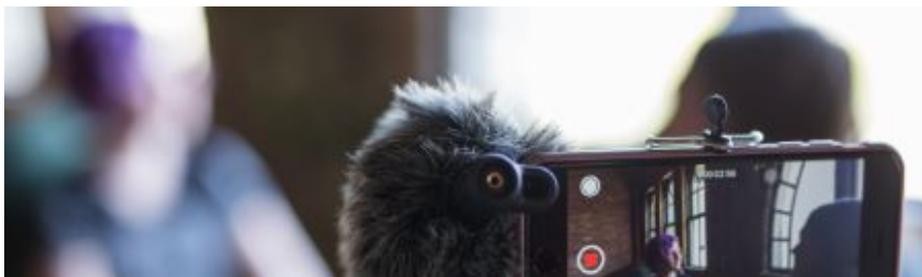
Utah Film Center

Utah Film Center's media education programs bring media arts into classrooms throughout the state of Utah each year. Last year, over 16,000 students benefited. Students and teachers were introduced to the power of film as a teaching and learning resource and worked to improve students' media literacy through film screenings, discussions, workshops, and classroom lessons that will increase student engagement, comprehension, and critical thinking while supporting core curriculum requirements for arts education.

One of four media education programs, SHIFT filmmaking in the classroom provides teachers with 16 hours of hands-on opportunities to learn about cinematic processes, build skills in filmmaking technology, and learn how to integrate these into classroom activities. Teachers learn how to guide students through the phases of cinematic production, and help students create instructional videos, trailers, and PSAs. Students strengthen storytelling and research skills, and learn about storyboarding, audience and point of view, copyright, cinematography, production roles and responsibilities, editing and critical review.

UTFC's media education programs encourage students to employ and strengthen 21st-century skills, including critical thinking and problem-solving, media literacy, perseverance, self-directed study, and collaboration, among others. All programs are Utah State standards-aligned and are accompanied by classroom study guides.

They are now recruiting for teachers to join our [Odgen-based workshop](#) in March 2020. Please see their [media education webpage](#) for additional details on statewide programming. You can also contact the education manager, Michelle Walker, [directly](#) for questions about SHIFT and other media education programs.





In The Community



Two Northern Utah elementary schools advance in national STEM competition with environment tech. West Bountiful Elementary in Davis School District and Eden's Valley Elementary School in Weber School District made the top 300 schools in the country in the contest out of 2,000 entrants, along with four other schools in Utah. [Read more](#)



Salt Lake Tribune readers pick award-winning STEM Students as Utahns of the Year. The Tribune's reader poll drew 1,049 responses, and the top vote-getters, at 22.9%, were [Sidor Clare and Kassie Holt of Sandy and Mercedes Randhahn of Ogden](#). They were among 30 finalists in the Broadcom MASTERS, a national STEM competition for middle-school students. [Read more](#)



LEAP into Science - The Main Library

Elementary-aged kids can learn how to be a scientist through inquiry-based after-school workshops. [Learn more](#)

Grant Opportunities

Computing Partnership Grant

The STEM Action Center is pleased to announce a new opportunity for the Computing Partnership Grant Program. This round of grants will be awarded at the end of February 2020 and funded on July 1, 2020.

The proposal submission deadline is Thursday, January 30th at 11:55pm.

If you were unable to join the webinar on January 9th, you can access it here:

<https://drive.google.com/file/d/1VpSCXiUTpAkjpDMha6jwwwvGUUnrlbJj/view>

Grant guidelines and links to the application and supporting documents may be found at: <https://stem.utah.gov/grants/computing-partnership-grant-program/>

Any questions regarding this grant announcement may be directed to the STEM Action Center's Community and Innovation Manager, Lynn Purdin (lpurdin@utah.gov).

Professional Learning Grant

The Professional Learning Grant program satisfies locally identified STEM-related professional learning needs with activities such as coaching, mentoring, self-reflection, off-contract work, and effective professional learning communities (PLCs). The STEM Action Center also provides professional development to support

The STEM Action Center also provides professional development to support teachers that are participating in other programs, such as the K-12 Math Personalized Learning program and the CS4Utah Grant program. These efforts connect thousands of teachers to opportunities to create valuable STEM-based curricula and teaching practices.

Professional Learning applications will open after the legislative session is complete. Updates will be available on our [website](#) and in future newsletters.



Copyright © 2019 STEM Action Center, All rights reserved.
Department of Heritage & Arts

Our email address is:
stem@utah.gov

Follow us on Facebook, Twitter and Instagram

Want to change how you receive these emails?
You can update your preferences or unsubscribe from this list.

