



STEM News | December 2019

Featured



Subscribe

Past Issues

Translate ▼

[Girls Who Code Clubs](#) are free after-school programs for 3rd-5th and 6th-12th grade girls to join our sisterhood of supportive peers and role models using computer science to change the world. Learn more below!



Sisterhood

Join a safe and supportive environment of peers and role models where girls learn to see themselves as computer scientists.



Code

Learn the concepts of loops, variables, conditionals and functions that form the basis for all programming languages.



Impact

Work in teams to design a computer science impact project that solves real world problems the girls care about.

Learn More About GWC

STEM Action Center News



Utah Air Quality Challenge

STEM Action Center receives \$50,000 from Boeing for the [Utah Air Quality Challenge](#) in partnership with Breathe Utah.

STEM Bus News

Updated Curriculum

[Subscribe](#)
[Past Issues](#)
[Translate ▼](#)


Mars" at Brockbank Elementary School in Spanish Fork. Students learned about the challenges NASA encountered while developing a plan to colonize the red planet.

Helpful Resources

Classroom Bulletin Board Ideas

Looking for ways to take your science lab or classroom up a notch? Look no further than these amazing [science bulletin boards and classroom decor ideas!](#)



Science Fair Experiments

Learn the keys to a successful [science fair project](#) and find links to energy experiments, courtesy of the National Energy Education Development Project.



In The Community



While it may seem as though art is an outlier in the STEAM combination, it's actually seamlessly interwoven with the other classes. At [Our Lady of Lourdes Catholic School](#), students learn about media arts in the technology course of classes. Additionally, students take a visual arts course to build creative skills.



Park City High School hosted its first [Community Code Night](#) with instructors from local tech businesses and volunteers leading an interactive workshop to introduce students to the world of computer programming. Portions of the workshop will be conducted in Spanish as well as English, part of an intentional focus to include the district's Latinx student population.



At STEM Fest, students gain hands-on



Members of the Utah State University

[Subscribe](#)[Past Issues](#)[Translate ▼](#)

year, Mt. Jordan sixth grade students walked to the Mountain America Expo Center to attend the Utah STEM Action Center's STEM Fest. This year, eighth graders joined them.

[Read More](#)



ST. GEORGE — A Hurricane-based robotics team is representing Southern Utah in statewide tournaments, earning multiple awards at a recent competition at West High School in Salt Lake City.

[Read More](#)

in Washington D.C., where they participated in hands-on science, technology, engineering and mathematics activities and taught workshops for other youths from across the country.

[Read More](#)



“Utah is a proven cybersecurity leader and a national leader in technology,” Gov. Herbert said. “We should encourage our young people to know and pursue tech-based skills to help develop critical thinking skills and find fulfilling careers in a high-wage, high-demand field.”

[Read Governor Herbert's announcement](#)

Upcoming Events



STEM Night at the STARS Game

Subscribe

Past Issues

Translate ▾

all ages for a fun night of STEM learning at their game 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.

Brain Bee

BECOME A NEUROSCIENTIST

What is the Brain Bee?

The Brain Bee is a free annual competition for high school students who love the brain and want opportunities for hands-on experience in a neuroscience lab!

[Join us on: February 15th, 2020](#)

How do students compete?

Students will study the Brain Facts Book and interactive anatomy lessons to learn about the brain. Competitors will be quizzed on a variety of topics, including:

Brain Function • Neurological Diseases • Brain Development • and more!

Attendees get to enjoy:

- | | | | |
|----------------------|-------------------|------------------|---------------------|
| Neuroscience Modules | Fun Presentations | Laboratory Tours | Young Scientist AMA |
|----------------------|-------------------|------------------|---------------------|

Winners receive:

1st Place: Financial support to attend the *National Brain Bee Competition* and a free summer internship at a University of Utah neuroscience lab!

2nd, 3rd, and 4th Place: shadow-a-neuroscientist days in the summer!

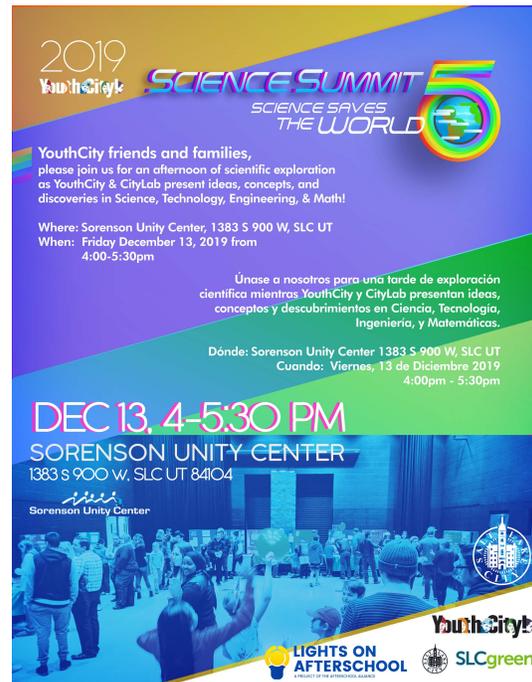
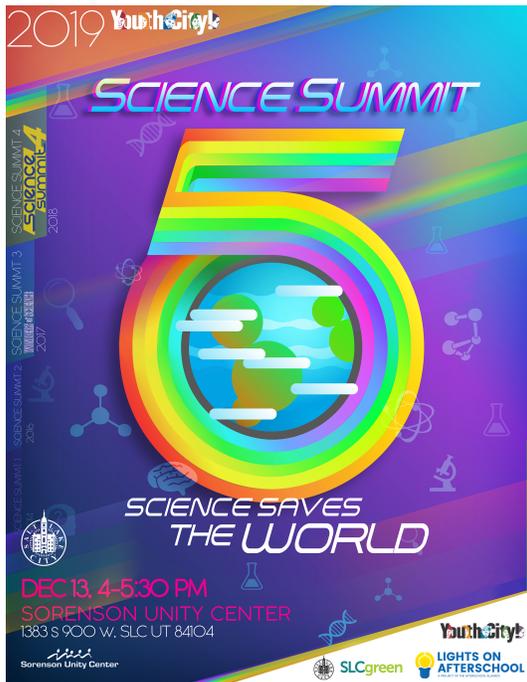


Register: QR code, visit <https://sites.google.com/site/sallakebrainbee/> or search Google for "SLC Brain Bee"

Questions? Check our FAQ or email us at slcbrainbee@gmail.com

This Brain Bee® is an officially sanctioned event of The International Brain Bee® All rights reserved.

The [Brain Bee](#) is a yearly competition in Salt Lake City where high school students are trained and then quizzed on neuroscience concepts while getting exposed to graduate labs and networking opportunities with current PhD students and faculty.



Computing Partnership Grant

Our Computing Partnership Grant application is now open. This grant is intended to target the development of new, innovative computing activities or support an increase in capacity of existing, proven programs.

[For more information and to apply](#), visit our website.

Applications are due January 30, 2020.

Did You Know?

As of July 1, 2019, the STEM Action Center will be a Division within the [Utah Department of Heritage & Arts \(DHA\)](#). The Department of Heritage & Arts establishes programs, works with partners, and supports seven divisions as they work with thousands of individuals each year. Together, DHA hosts a variety of youth programs, awards grants to vitalize our communities, supports artists, and promotes equity.



Subscribe

Past Issues

Translate ▼

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.