

February 2020 Newsletter

[Campaign Preview](#)

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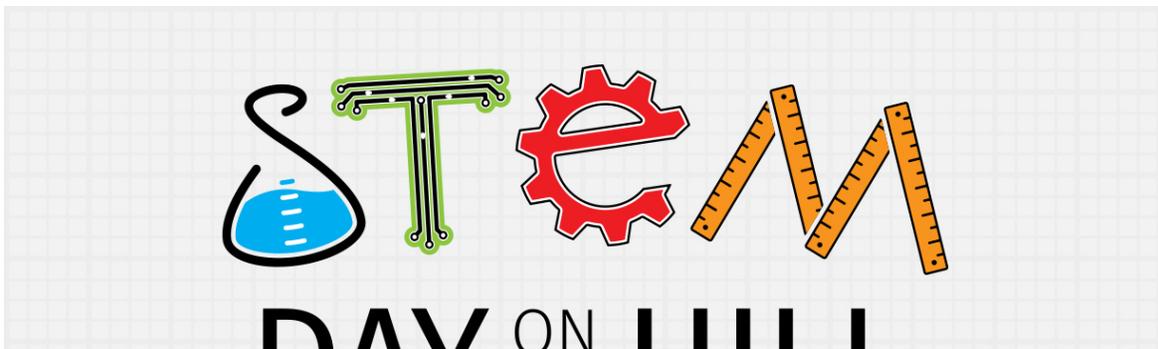
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STEM News | February 2020

Featured





DAY THE HILL

We invite you to join us for
STEM Day on the Hill
 Capitol Rotunda
 Friday, March 6, 2020
 10:00am – 12:00pm

Featuring **STEM Signing Day**
 sponsored by: 

> stem.utah.gov



STEM Day on the Hill celebrates STEM in Utah and welcomes parents, students, educators, industry professionals, and legislators to the Utah State Capitol to engage in hands-on activities focused on STEM education and impact.

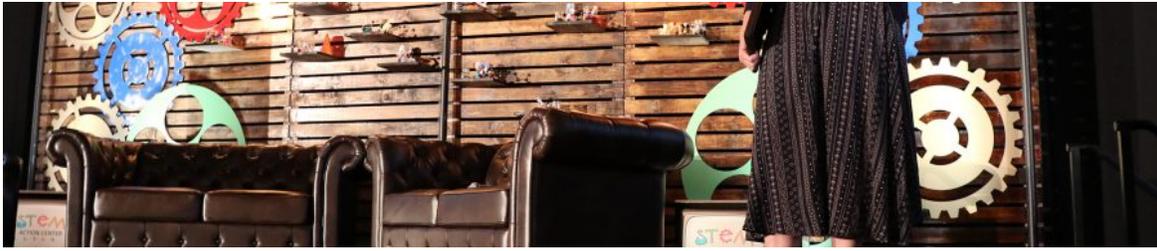
This year, we will be hosting Utah STEM Signing Day presented by Boeing as a part of STEM Day on the Hill. Just like Signing Day for athletes, Utah STEM Signing Day will celebrate students across the state as they make their commitments to education programs focusing on Science, Technology, Engineering, and Mathematics.

Date: Friday, March 6, 2020 – 10:00 AM – 12:00 PM

Location: Utah State Capitol Rotunda

For more information visit <https://stem.utah.gov/students/stem-day-on-the-hill/>





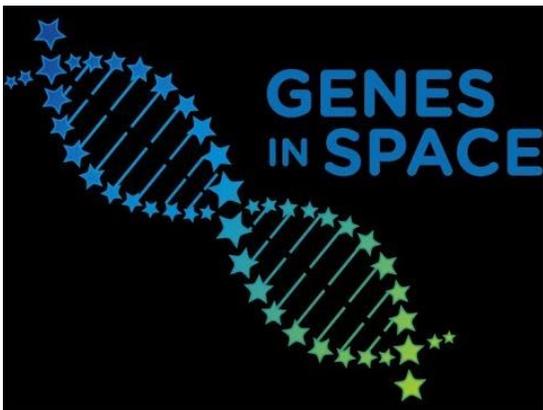
Apply to Present at the 2020 STEM Best Practices Conference

This year's theme is "You Get What You Play For", and will focus on learning through play. Attendees are classroom teachers and school administrators looking for STEM ideas that they can integrate into their teaching. This conference takes place on June 22, 2020 at 8:00 am at the Davis Conference Center. If you would like to apply to be a presenter at the conference this year, please visit the website below. Applications are due February 21, 2020 by 5:00 PM.

Sessions for teachers must have a hands-on component. The sessions for administrators, called "STEM Supports" focus on larger scale issues such as professional learning, and do not need a hands-on activity included in the session. Sessions are 60 minutes long, and will have ~50 attendees each.

[Presenter application](#)

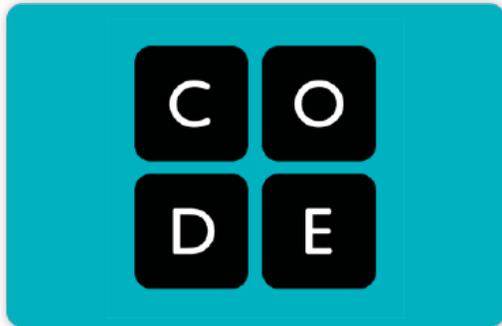
Teacher Opportunities



Genes in Space Challenge
Students in grades 7 through 12: design DNA experiments that address a challenge in space exploration. Life on Earth has evolved under the effects of our gravity and the protection of our atmosphere. Manned space

exploration opens up amazing new opportunities for life, and serious challenges too.

[More information](#)

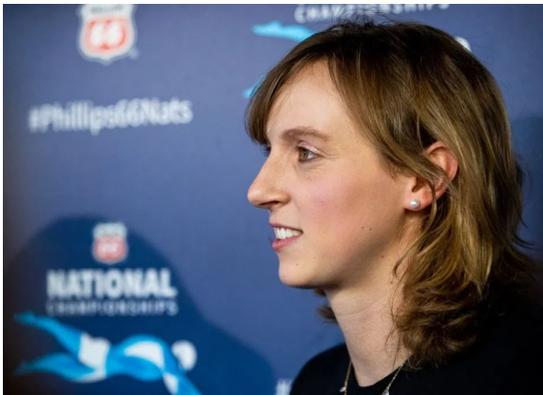


Applications are now open for our teacher summer [Code.org](#) workshops. Apply today to participate in our 5-day summer professional development CS Discoveries or CS Principles workshop.

[Apply here!](#)

Additional information can be found at our application landing page. For additional questions, feel free to contact Jack Markman at jmarkman@utah.gov.

National STEM News



Katie Ledecky Launches STEM Education Program

At Panasonic's Tech Talk during CES 2020, five-time Olympic gold medalist and 15-time World Champion swimmer **Katie Ledecky** along with Panasonic of North America announced the launch of her STEM education program, "Katie Ledecky's Dive Into STEM."

STEM Education powered by Panasonic.” The digital program delivered to schools is aimed at enabling and encouraging students to pursue careers in science, technology, engineering, and mathematics.

[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

programs in education. This challenge is an opportunity to recognize 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 7th, 2020. Award Ceremony will be held on Thursday - April 30, 2020 at Recursion Pharmaceuticals.

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

[2019 Entrepreneurial Challenge Winners](#)

STEM in Motion

The STEM in Motion Program is opening registration for our 2020-2021 school year! Registration for **rural schools*** will begin at 9:00 am on March 3rd, and open registration for **all schools** will begin at 9:00 am on March 19th.

*Rural schools include any schools within the following districts: Beaver, Box Elder, Cache, Carbon, Daggett, Duchesne, Emery, Garfield, Grand, Juab, Kane, Millard, Morgan, North Sanpete, Piute, Rich, San Juan, Sevier, South Sanpete, Uintah, and Wayne.

Rural Schools flyer



2020-2021 School Year
STEM in Motion Registration

Registration is open for your district on

March 3rd at 9AM*

to register, please visit:
stem.utah.gov/educators/stem-in-motion

STEM in Motion (formerly the Utah STEM Bus Program) 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.

* STEM in Motion is in high demand. Please try to register as soon as possible for the best chances of reserving a spot.



Urban Schools flyer



2020-2021 School Year
STEM in Motion Registration

Registration is open for your district on

March 19th at 9AM*

to register, please visit:
stem.utah.gov/educators/stem-in-motion

STEM in Motion (formerly the Utah STEM Bus Program) 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.

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Upcoming STEM Events



Hi-GEAR (Girls Engineering Abilities Realized) Camp

University of Utah - June 8-12, 2020

Audience: Female students entering 10-12 grades in Fall 2019

Registration Deadlines

Priority Deadline: April 10, 2020

Application Deadline: May 1, 2020

[More information](#)



Exploring Engineering Camp

University of Utah - June 16-18, 2020

9:00 a.m. – 4:00 p.m. (ends at 3:00 p.m. on the 20th)

Audience: 9th-12th grade (girls and boys aged 15-18)

Registration Deadlines

Priority Deadline: April 10, 2020

Application Deadline: May 1, 2020

[More information](#)

STEM SUMMER DAY CAMP

WEBER STATE UNIVERSITY - DAVIS CAMPUS



REGISTRATION OPENS FEBRUARY 1ST!

STEM Summer Day Camps

In partnership with Weber State University (Davis Location), the YMCA is excited to offer this specialty Summer Day Camp to kids with a focus on STEM (Science, Technology, Engineering, and Math)!

[More information](#)

In The Community



Viewmont Students Code, Get Sense of Altered Reality with Utah STEM in Motion Visit.

In a Viewmont Elementary fourth-grade classroom, two boys were working together, taking strips of colored plastic and placing them in an order on their desks.

[Read more](#)



Utah Elementary Student Named Semifinalist in NASA's 'Name the River' Contest.

Utah elementary student Lanaya



Miss Murray 2020 Shares 2 Science Projects to Get Kids Excited About STEM.

It was Miss Virginia, Camille Schrier, who took home the crown at Miss America last month with her science experiment and STEM initiative. She inspired countless women across the nation, one of them being in our home state, Miss Murray 2020 Sarah Nelson. [Read more](#)



Weber State Abuzz with LEGO League State Championship

Almost 50 teams of students ranging from fourth to eighth grades

Allen has been selected as a semifinalist for NASA's 2020 "Name the Rover" contest. "Promise' is a strong and powerful name," wrote Lanaya, whose essay won Utah's elementary category. She became one of 155 students competing to name the Mars Rover, which is scheduled to launch this July. The winner will be invited to see the launch from the Cape Canaveral Air Force Station in Florida.

[Read more](#)

descended on Weber State University over the weekend with their team-made Lego robots.

The mixed-age teams were participating in the 10th annual FIRST Lego League Utah North State Championship. About 1,100 people were in attendance, said Dana Dellinger, director of the Center for Technology Outreach at Weber State, whose office organized the event. Teams represented districts as far north as Cache County and as far south as Juab.

[Read more](#)

Grant Opportunities

K-12 Math Personalized Learning Software Grant

The K-12 Math Personalized Learning Software Grant provides schools and districts with access to a selection of math personalized learning software programs to improve student outcomes in mathematics literacy. For more information, visit:

<https://stem.utah.gov/grants/k-12-math-personalized-learning-software-grant/>

or email Clarence Ames: comes@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 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.



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Department of Heritage & Arts

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stem@utah.gov

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