

[View this email in your browser](#)



October 2018 Newsletter

STEM FEST 2018

Mountain America Expo Center in Sandy

Field trips: Tuesday, October 23rd & Wednesday, October 24th for grades 6-10. We still have some spots available for teachers to bring their students. You just provide the busing and the lunches and we'll take care of the rest!

Free Family Night - Tuesday, October 23rd 6:00 pm - 8:00 pm

To register and for more information [see our website](#).



[@STEMUtah](#)

Exclusive Free Event

Special-Needs Family Night Tuesday, October 23 | 4pm-6pm

Utah STEM Fest is a fun and interactive exhibition of applied **science, technology, engineering and math** that inspires kids to explore STEM careers. From hands-on activities to interactions with STEM industry professionals, there's plenty for everyone to discover.

More than 100 hands-on exhibits to visit!

Mountain America Expo Center
(formerly the South Towne Expo Center)
9575 State St, Sandy, UT

This event is closed to the general public to give those with special needs (small children to adult learners) a private VIP Experience! Please email us directly at STEMFest@utah.gov with any questions.



For general information and volunteer opportunities:
WWW.UTAHSTEMFEST.COM



[@STEMUtah](#)

Free Family Event

Public Night Tuesday, October 23 | 6pm-8pm

Utah STEM Fest is a fun and interactive exhibition of applied **science, technology, engineering and math** that excites and inspires kids to explore STEM careers. From hands-on activities to interactions with STEM industry professionals, there's plenty for everyone to discover at this event!

More than 100 hands-on exhibits to visit!

Mountain America Expo Center
(formerly the South Towne Expo Center)
9575 State St, Sandy, UT

Invitation-only experience available for students with special needs (small children to adult learners) on Tuesday, October 23rd from 4-6pm. Please email us directly at STEMFest@utah.gov.



For general information and volunteer opportunities:
WWW.UTAHSTEMFEST.COM

STEM NEWS



Girls STEM career interests take flight in SLC launch of JetBlue event. [Read More](#)



STEM Bus Onboard at 2018 Utah Boeing Family Day

Our team rolled out in the Utah STEM Bus Saturday - September 22, 2018 for a [#BoeingFab](#) local 2018 [The Boeing Company](#) Family Day. We're honored to partner with this incredible organization! [#BoeingInspires#STEM](#)



Boeing and National Science Foundation team up for STEM diversity and training

The National Science Foundation and Boeing say they've forged a \$21 million partnership to accelerate skill development and increase diversity in the fields of science, technology, engineering and math, known collectively at STEM.

[Read More](#)



Computer Science Pilot Receives \$125,000 to Develop Professional Skills

Ogden - The Ogden Computer Science Pilot is a partnership between Ogden School District and the nonprofit, BootUp PD. The pilot program has been funded at \$125,000 by the Utah STEM Action Center, whose goal for funding is to build K-12 computing pathways in Utah school districts.

[Read More](#)



Dell EMC, STEM AC Facilitate Computer Science Courses for Teachers

The heart of education is teaching tomorrow's leaders, but today's technology is changing the skills these future leaders need. Utah County school districts work to align their instruction with those needs.

[Read More](#)



Women Rock-IT: Female Role Models Matter

In 2012, experts across Asia Pacific recognized a troubling trend — a growing number of female students were turning their backs on science, technology, engineering, and math (STEM) subjects. At the time, female enrollments in engineering degrees in Australia were less than 2%, leaving young women ill-prepared for the technology-driven jobs of the future.

[Read More](#)



Supporting computer science through IT innovation

Over the past several years, the movement to improve access to computer science in U.S. K-12 schools has been gaining momentum around the nation. The College Board, with support from the [National Science Foundation](#), developed and launched [AP Computer Science Principles](#), a second Advanced Placement computer science course aimed at appealing a greater range of students; multiple states have passed legislation around computer science access; 22 states have now adopted K-12 CS standards; and 37 states now count computer science towards core graduation requirements.

[Read More](#)



STEMPilot - Flying Students into Great Careers

If you want more young women in math, science and engineering you need to start in the elementary and middle schools. Our K12 program uses flight simulators to apply classroom math, science and engineering in NGSS aligned lessons. [Read More](#)

You can see examples of our tutored learning missions at our You Tube site.

<https://www.youtube.com/user/HotSeatSim/video>

[S](#)



Get back to STEM with these 17
books

UPCOMING STEM EVENTS

October 3, 4 & 10, 2018 - Career Education Summit - [More information](#)

October 10 - 12, 2018 - League of Innovative Schools Conference in Park City - [More information](#)

October 12, 2018 - Utah Day of the Girl - [More information](#)

October 12 - 13, 2018 - Utah Council of Teachers of Mathematics Conference - [More information](#)

October 16, 2018 - Virtual field trip: Space and Naval Warfare Center - [More information](#)

October 18, 2018 - STEAM Career Family Night at Diamond Valley Elementary - [More information](#)

October 23 - 24, 2018 - STEM Fest at Mountain America Expo Center - [More information](#)

October 27, 2018 - Vista School ROAV Contest - Ivins, Utah

February 23, 2019 - SLC Brain Bee (annual neuroscience competition) - [More information](#)

STEM PROGRAMS & GRANTS

CenturyLink STEM Excellence Award: Nominate your standout STEM Student today!

In partnership with the Utah Jazz and CenturyLink, the STEM Action Center will recognize outstanding students in STEM. Every month during the NBA season, one 6th-12th grade Utah student will receive the CenturyLink STEM Excellence Award during a Utah Jazz home game. Awardees will receive two (2) tickets to the Jazz game where they will receive on-court recognition at half-time, be featured on the scoreboard, and be given a personalized jersey. Please see official rules for details.

<https://stem.utah.gov/centurylinkstemexcellenceaward/>

We are offering Computer Science professional learning for elementary school teachers. Computer Science Fundamentals (CSF) is designed for elementary school teachers that have little to no experience with coding or computer science. CSF consists of a one day workshop that introduces elementary school teachers to Code.org's curriculum that introduces computer science in the classroom. Workshops are provided for free to any Utah public and charter school teacher, administrator or classroom assistant. Email Erin (erinpaulsen@utah.gov) for more information.

STEM SCHOOL DESIGNATIONS

STEM Schools Designation Intent to Apply is due October 8th.
For a list of our STEM School Designation Awardees, [click here](#)

STEM BUS

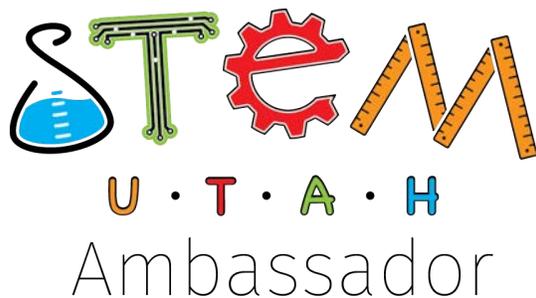


The Utah STEM Bus had a busy and exciting September! The team served nearly 1,500 students spread across seven schools and five school districts. The STEM Bus also had a great time visiting Boeing, where the team got to show off their killer curriculum to Boeing employees and their families at the company's family night.

The Bus team is looking forward to an equally thrilling October!

STEM AMBASSADORS

The Utah STEM Action Center is always looking for high school and college students as well as recent college graduates and industry professionals who have a passion for STEM and



would like to volunteer their time promoting science, technology, engineering, and math to K-12 student and educators throughout the State of Utah.

[Apply to become an Ambassador](#)

We're pleased to announce the addition of 4 new STEM Ambassadors!

Alex Payne (left) and **Katherine Somers** (right) educated eager youngsters about molecular engineering at the first Thanksgiving Point Mini Maker Faire on September 15th.

Alex is majoring in chemistry with a biology emphasis at the University of Utah. She is passionate about the medical field and hopes to continue her education in the STEM field in order to do biomedical research.

Katherine is studying biology at the University of Utah. Her passion for STEM was ignited at a young age, starting with class field trips to museums and science events. She still loves learning how and why things work the way they do!



Tom Barber is a third-year mechanical engineering student at the University of Utah, and is an avid rock-climber. He is passionate about transforming abstract ideas into practical, innovative solutions that benefit greater society.



Marissa Higbee is a junior studying cell and molecular biology at the University of Utah and plans to pursue a career in tissue engineering. Passionate about STEM her whole life, Marissa is currently co-authoring a research-based article on CRISPR-Cas9 inhibitors for publication in a scientific journal.



Copyright © 2018 Utah STEM Action Center, All rights reserved.
Utah Governor's Office of Economic Development

Our email is:
stem@utah.gov

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