



UNITED STATES
AIR FORCE ACADEMY

USAFA K-12 STEM Outreach Program Newsletter

October 2018

Volume 2, Number 5

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United States Air Force Academy and Air Force STEM Webpages

<https://www.usafa.edu/stem-outreach/>

<http://www.usafa.af.mil/>

<https://afstem.afciviliancareers.com/>



QR Code for USAFA K-12 STEM Outreach page

Congratulations to Local FIRST Robotics Teams Receiving a Department of Defense FIRST Grant



Widefield Elementary
Mountain View Elementary
McClave School
Janitell Jr High

These local schools received a DoD FIRST Robotics Grant:

Webster Elementary
Martin Luther King Elementary
Pinello Elementary
Sunrise Elementary
French Elementary
Skyway Elementary
Sproul Jr High
Journey K-8

Air Force Academy to Host FTC Scrimmage

On Saturday, December 1st the AFA will host a FTC Scrimmage for 7th-12th graders in Arnold Hall from 10:00AM-2:00PM. To register a team go to:

<https://www.firstinspires.org/team-event-search?type=events&sort=name&programs=FTC&year=2018&from=2018-09-26&to=2019-09-26&country=USA&stateprov=CO>



Southwest Airlines STEM Grants Available for Schools

Southwest Airlines is committed to giving back to the communities where its customers and employees live and work. The goal of this grant program is to award up to \$50,000 to nonprofits that focus on quality STEM education, build resilient workforces, and/or strengthen the leaders of today and tomorrow. Southwest will prioritize organizations that support veterans, low-income families and historically underserved populations. Grant application will close at 5:00PM (Central) on October 22, 2018. See the following link for details: https://siliconvalleycf.formstack.com/forms/southwest_grant_application

USAFA K-12 STEM Outreach Mission

The United States Air Force Academy Science, Technology, Engineering, and Math (STEM) Outreach Program mission is to offer a variety of programs and services that effectively engage, inspire, and attract the next generation of STEM talent.

Contact Us

USAFA Office of Research

The Office of Research strives to build a positive relationship with K-12 students and educators and encourage recruitment/growth of future cadets to develop skills implicit to national security and the nation's competitive edge.

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Recently Added to the STEM Lending Library

Check-outs and returns are on Wednesday and Thursday afternoons at 4:00PM. Depending on availability, items may be checked out for 6-8 weeks. Email Sandy Lamb for check-outs at sandra.lamb.ctr@usafa.edu.



(2) Pitsco Straw Rocket Launchers

FREE STEM Professional Development for Teachers!

Two local groups provide free monthly STEM professional development workshops and are supported by the Air Force Academy.

Peak Area Leadership in Science (PALS) provides continuing education credit from the School of Mines or 60 contact hours.

PALS is offering 2 workshops this month:

- October 10 - Physics is Fun and Easy at Cheyenne Mountain Jr High School
- October 21 - Sun Study at Picket Wire Canyonlands, La Junta

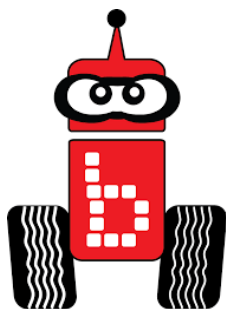
To register for workshops, go to sciencehubs.org.

EleSTEMary workshops model how elementary teachers can easily implement STEM into their classrooms. Workshops are from 4:30-6:30PM at the District 20 Administration Office. Contact hour certificates are provided and attendees receive workshop themed books or materials.

- October 11 - STEM Resources Share-a-Thon (Local Resources)

Go to www.elestemary.org to register.

Junior Botball Teams Have Formed



The Air Force Academy has sponsored 7 schools in a Junior Botball League. Coaches recently received Level I & Level 2 Trainings and are prepared to teach 4th & 5th grade students C and C+ programming to be ready for the May 7th Challenge. Participating schools are: Arma Dei Academy, Banning Lewis Ranch Academy, Divine Redeemer, Explorer Elementary, High Plains Elementary, McClave School and Odyssey Elementary.