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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/>

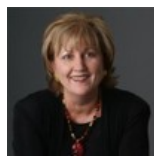
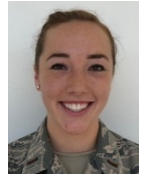
<https://afstem.afciviliancareers.com/>



QR Code for USAFA K-12 STEM Outreach page

## Meet our newest STEM Outreach Team Members!

2nd Lieutenant Aspen Sulte will assist with STEM Fridays, Lending Library, and various STEM events until February 2019. This Alaskan native was a 2018 AFA graduate majoring in Astronautics. Her goal is to become an A-10 or F-22 pilot. We are excited to have this bright, young star on our team!



Ms. Judy Cara is the Project Manager for the Planetarium & Digital Dome, which will be available for groups in spring 2019. It will feature a variety of full-dome shows of varying lengths and diverse content. Judy has 18 years of STEM experience which includes testifying to the House STEM Caucus, Washington D.C., founding a STEM program for girls, and serving on the Project Lead the Way national advisory board.

Ms. Stacey Lazzelle is responsible for AFA Chemistry Magic Shows. She received her BS in Chemistry and is near completion of her Masters in Chemistry from UCCS. She has worked with a variety of children's groups and was the perfect fit for this new role. You may book a magic show for your school by contacting [stacey.lazzelle.ctr@usafa.edu](mailto:stacey.lazzelle.ctr@usafa.edu) or [sandra.lamb.ctr@usafa.edu](mailto:sandra.lamb.ctr@usafa.edu).



## Greatly Expanded Lending Library!

Once again the USAFA Lending Library has been expanded. 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](mailto:sandra.lamb.ctr@usafa.edu).

 (15) Ozobots	 (8) WeDo 2.0	 (18) Cubelets	 (10) Mindstorms EV3
 (14) Code-a-Pillar	 (8) SPRK+ & (10) Bolts	 (12) Ollies	 (3) BB-8
 (10) Snap Circuits	 (7) Little Bits	 (6) Keva Contraptions	 (6) Dash & Dot Wonder Packs
 (2) Beebot Class Bundles			

## 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.

Lt Col Donald Rhymer  
Associate Dean of Research  
719.333.4195

Sandy Lamb  
STEM Outreach Coordinator  
719.333.8990  
Sandra.Lamb.ctr@usafa.edu

(7) LabQuest 2



(14) Makey Makey Kits



(20) Molymod Molecular Model Sets



(7) Plugable Digital Microscopes with prepared slides



(8) iPad Air 2 in shockproof cases for programming WeDo, Mindstorms, Spheros and Ozobots



(5) Compound Microscopes



(6) Rube Goldberg Kits



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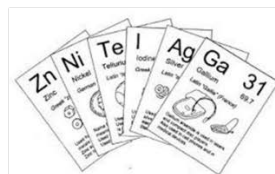
(1) Dewar Flask for Liquid Nitrogen



(2) Portable wind tunnels



(1) Element Flashcards



5 volume *Chemical Demonstrations* by Shakhshiri



(1) Transform Infrared Spectrometer



(1) Element Sample Set



### Chemistry Kits:

Chemical Reactions Kit: What is this Powder?

Chemical Reaction Mania Kit  
Controlling a Chemical Reaction

(2) 2m Air Track



(12) Breakout Boxes



## Legacy Camp Update

Fifty-three 6<sup>th</sup>-10<sup>th</sup> graders attended our free summer Legacy STEM Camps. Attendees in good standing are invited to return next summer. Talented local teachers facilitated a variety of challenging and fun activities. 5<sup>th</sup> grade teachers are encouraged to nominate students that are highly motivated by STEM activities for the 2019 Legacy Camp beginning on January 1<sup>st</sup>. More information is to follow.



9<sup>th</sup> graders built drones.

9<sup>th</sup> & 10<sup>th</sup> graders performed a variety of dry ice experiments.

## Scheduling Available for USAFA Tours and STEM Fridays

Requests for school visits and STEM Fridays are being accepted. Contact Sandy Lamb for more information. [sandra.lamb.ctr@usafa.edu](mailto:sandra.lamb.ctr@usafa.edu).

## Science Pen Pals

The Cadet STEM Club has agreed to write letters to your students again this year. Letter writing can take place September through the beginning of April.

