



UNITED STATES  
AIR FORCE ACADEMY

# USAFA K-12 STEM Outreach Program Newsletter

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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

## SAME Young Women's STEM Day

The Air Force Academy will host a SAME Young Women's STEM Day on April 14<sup>th</sup>. Fourth–twelfth grade girls are invited to explore a variety of hands-on stations dealing with lasers, rockets, telescopes and building materials. The goal of the workshop is to provide experiences that help inform future career decisions. The registration fee is \$20. For more information contact Todd Cartwright, SAME STEM Chair, at TAC-VW@comcast.net. Register at <http://posts.same.org/pikespeak>.

## Coming This Summer: FREE STEM Craftsman Camps For Incoming 6<sup>th</sup>-10<sup>th</sup> Graders

The goal of a Craftsman Camp is to build an interest in STEM through hands-on activities while showing how math and science apply to the world around us. The five day camp is free and includes hands-on STEM activities, team projects, guest speakers, demonstrations and a field trip. All camps will be held in Arnold Hall from 9:30AM-3:30PM Monday-Friday. The date for 6<sup>th</sup>-8<sup>th</sup> grade camps is 4-8 June and 9<sup>th</sup>-10<sup>th</sup> grade camps are 11-15 June. To apply for the camps go to

<http://wpafbstem.com/pages/legacy.html>. Click the Craftsman Camp button and open the application. Enter a Gmail address and then choose USAFA for the location. **The deadline for a completed application has been extended to March 30<sup>th</sup>.**



## STEM Boot Camp

Date: July 17- 19, 2018

Location: Bear Creek Elementary School in Monument, CO

Registration opens April 2, 2018

STEM Boot Camp is a focused three-day professional development program co-sponsored Challenger Learning Center of Colorado, the United States Air Force Academy and Siegel Family Endowment to improve STEM teaching skills for Southern Colorado K-12 educators.

STEM Boot Camp 2018 Theme: Implementing Computational Thinking in Your Classroom

This year's giveaways will be the BEST EVER! Each educator attending will receive 4 robots.

The fee for Bootcamp is \$60. Lunch and snacks will be provided each day.

The new line-up of seminars will include:

- \* Computational and Design Thinking

## 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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- \* Biology
- \* Robotics
- \* Technology / Coding
- \* Astronomy
- \* Other STEM-related topics

## Paid Mentoring Summer Opportunity at USAFA

### SAME – Engineering and Construction Camps at USAFA A Combination Mentoring and Engineering Professional Development Experience

World-class SAME Camps provide an incredible opportunity for teachers to learn as they work with young engineers. The USAFA SAME Camp is 25 June to 2 July 2018. Teachers spend the week at the Academy serving as mentors to high school students. Meals and sleeping accommodations are provided. A stipend is to be determined.

SAME Camps provide rising 10-12<sup>th</sup> grade students an opportunity to broaden their engineering knowledge and apply problem solving techniques while competing in teams. Camps are all designed to focus on hands-on activities, supervised and executed by engineers. SAME STEM camps have been in operation for 17 years and have a strong history of producing engineering and STEM college graduates.

Middle or High School teachers should be currently teaching one of the STEM disciplines. To apply go to <http://www.same.org/stemcamps> and click on the mentor tab to begin the application process. Download and complete the application package for a specific camp location and send an e-copy of your application to the senior mentor listed for the camp.

The application deadline is 15 May 2018. Contact Scott Prosuch if you have questions at [sprosuch@earthlink.net](mailto:sprosuch@earthlink.net).



## Applications Accepted for a Summer Biology Intern

High School juniors and seniors with a driver's license are welcome to apply for the Biology Summer Internship. A passion for life sciences and ability to work well with others is important. Applications close on March 16. Send completed applications to [sandra.lamb.ctr@usafa.edu](mailto:sandra.lamb.ctr@usafa.edu).