

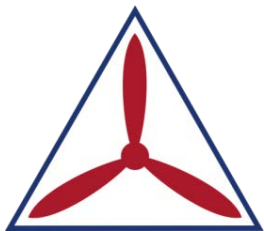
Civil Air Patrol

Aerospace/STEM Education



**Presentation for Formal and Informal
K-12 STEM Educators and Organizations**

**CITIZENS SERVING COMMUNITIES
WWW.GOCIVILAIRPATROL.COM**



Civil Air Patrol History

Formed December 1, 1941, for civilian aviation purposes, Civil Air Patrol is a nonprofit, humanitarian organization chartered by Congress and is the official Auxiliary of the United States Air Force.

1942- Started the Cadet Program

1946- Incorporated by Congress

1948- Became USAF Auxiliary

1953- Aerospace Ed in school systems

Today- Outreach to the nation

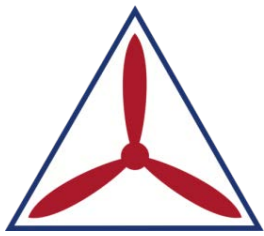
*** Leading K-12 youth and STEM organization in the nation**



*****Has always had women at the forefront.**

CAP continues to provide myriad aviation/STEM opportunities for diverse populations of male and female youth across our country!





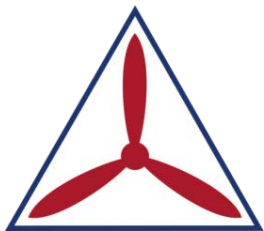
Aerospace/STEM Education

How can YOU and/or YOUR school, home school, youth organization, museum, library, or any other STEM-based organization become involved?



How can you benefit from the amazing STEM products and programs & inspire youth to SOAR?

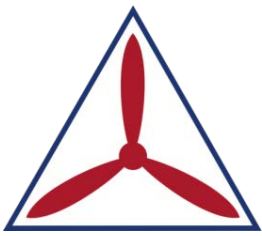
Become a CAP Aerospace Education Member!



Aerospace/STEM Education

Aerospace Education Membership

- ★ \$35 one-time membership fee; free annual renewal
- ★ Not a member of a CAP squadron; no meetings to attend; just inspire youth with STEM Ed
- ★ K-12 formal/informal educators eligible (*schools, libraries, museums, youth organizations, etc.*)
- ★ Enjoy all of the **FREE** AEM benefits (to follow)
- ★ Why? Help inspire youth toward STEM careers

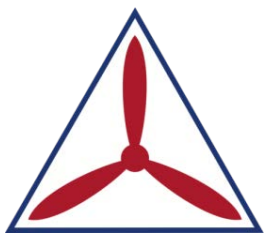


Aerospace/STEM Education

~ *Teacher Orientation Program (TOP) Flights*

- ★ Fly in a CAP Cessna airplane
- ★ Pre-flight briefing
- ★ Fly over local geographical area
- ★ Handle the controls
- ★ Bring experience back to students



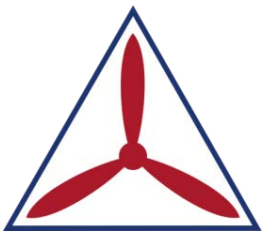


Aerospace/STEM Education

~ Free Curricula Products

- ★ Over 40 products
- ★ Aligned w/ Nat'l Academic Standards
- ★ Pre K- grade12
- ★ Upcoming for 2018
 - Tuskegee Airmen
 - Women in Aviation (2 volumes)





Aerospace/STEM Education



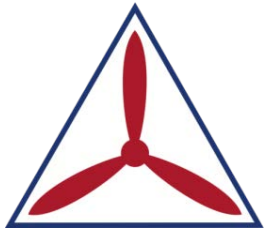
~ K-12 STEM Kit Program

Cost? A \$35 AE Membership Fee

15 FREE kits from which to select one-at-a-time to use; evaluate; and keep!



87% Increased STEM Career Interest



Free STEM Kit Program



Ready-to-Fly
Quadcopter



Weather
Station



Model & Remote
Control Aircraft



Build a
Quadcopter



Robotics



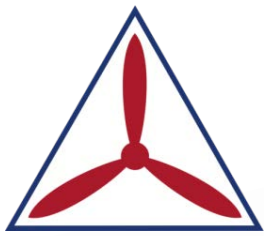
Rocketry



Hydraulic
Engineering



Flight Simulator

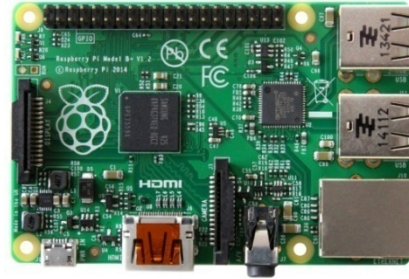


More Free STEM Kit Program



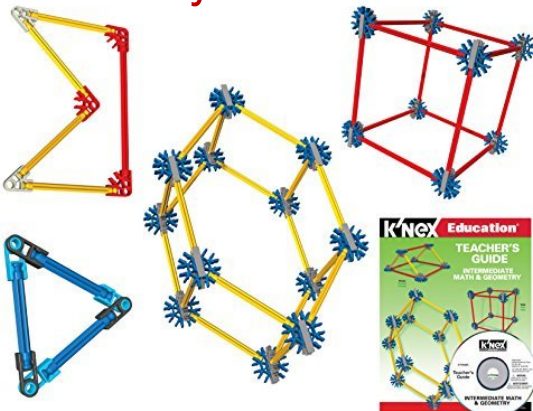
Snap Circuits Snaptricity

Raspberry Pi
Computer
Coding



Sphero

Kinex
Intermediate Math &
Geometry



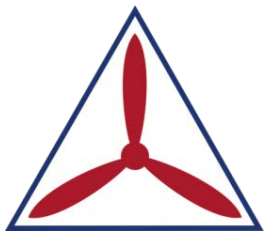
BeeBot

Renewable
Energy



Astronomy





Aerospace/STEM Education

~ Free K-6th Grade ACE Program

Aerospace Connections in Education

* Use of aerospace theme to promote:

~ academics

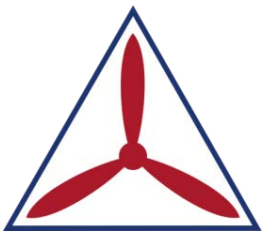
~ character development

~ physical fitness

* 21 lessons per grade level curriculum guide

* Grade-level class set of manipulatives



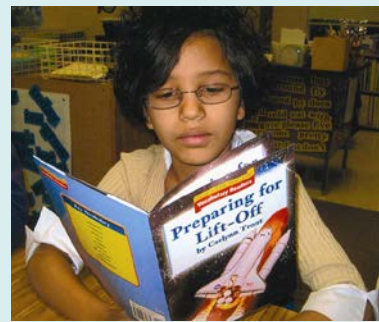


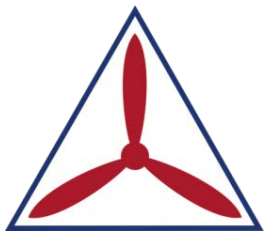
Aerospace/STEM Education

Aerospace Connections in Education: K-6 STEM



Students	27,369
Teachers	598
Schools	187
States	2017 38



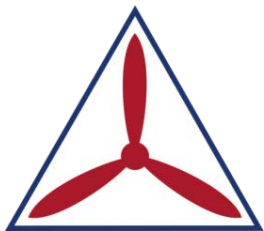


Aerospace/STEM Education

CAP Squadron Support to AEMs

- ★ Assist with program implementation
- ★ Provide teacher flights
- ★ Share cadets and cadet program



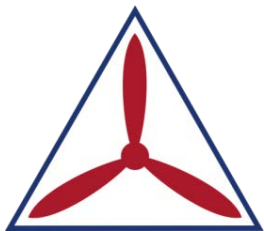


Aerospace/STEM Education

AEMs Sharing CAP Cadet Program

- ★ Know of any youth, ages 12-18, who might be interested in learning to fly; becoming a part of a CAP squadron; earning scholarships; learning about Aerospace/STEM careers; or mentoring other youth?
- ★ Want to know more about the program?
- ★ Read on....



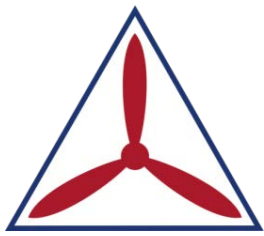


Aerospace/STEM Education

CAP Cadet Program www.capmembers.com/cadets

- ★ For youth, ages 12-20, wanting MORE experience in aviation and STEM
- ★ Military-style program involving:
 - ~ character/leadership development
 - ~ aerospace/STEM career preparation
 - ~ aviation scholarships
 - ~ physical fitness/drill & ceremony
 - ~ community service/mentoring
- CAP Cadet squadrons located across the nation
 - ~ Locate a squadron nearby at www.gocivilairpatrol.com
 - ***Enter your ZIP code at “Find Your Local Squadron”

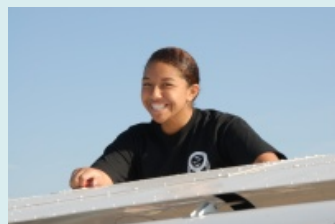


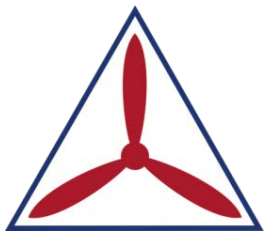


Aerospace/STEM Education

CAP Cadet Program Career Exploration

- ★ Aircraft Maintenance & Manufacturing
- ★ Engineering Technology
- ★ Advanced Technology
- ★ Space Command
- ★ Meteorology
- ★ Pararescue
- ★ Flight Training
- ★ Cyber Security
- ★ STEM Educator



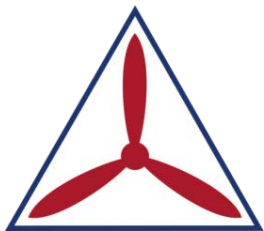


Aerospace/STEM Education

Benefits of CAP Aerospace & Cadet Programs

- ★ Offers positive STEM role models
- ★ Empowers youth the desire to seek STEM careers
- ★ Provides career development options & opportunities
- ★ Reinforces academic relevance and purpose
- ★ Encourages respect for self and others
- ★ Promotes a physically fit and drug-free lifestyle
- ★ Helps develop technologically-prepared workforce

Inspiring the Next Generation



Aerospace/STEM Education

What to become involved with CAP?

- ★ Join online as AEM for \$35 fee
www.capmembers.com/joinaem
- Inspire the youth within your reach
- Introduce the CAP Cadet program

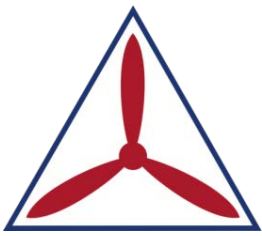


★ Reach out and touch:

~ other youth

~ other educators

~ the future...



Aerospace/STEM Education

CAP: Investing in our future...



★ Contact ae@capnhq.gov for more information