

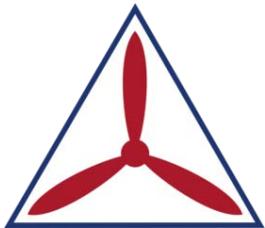
Civil Air Patrol

Aerospace/STEM Education



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

CITIZENS SERVING COMMUNITIES
WWW.GOCIVILAIRPATROL.COM

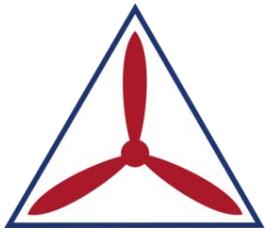


Civil Air Patrol

Aerospace/STEM Education

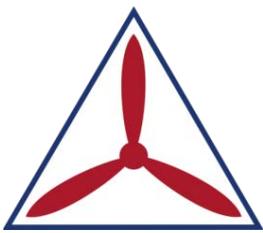


Investing in the future...



Aerospace/STEM Education

**Empowering members with
opportunities and resources to promote
aerospace-related**



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

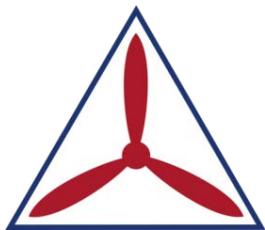
1953- Began Aerospace Ed in Schools

Today- Outreach to the Nation

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

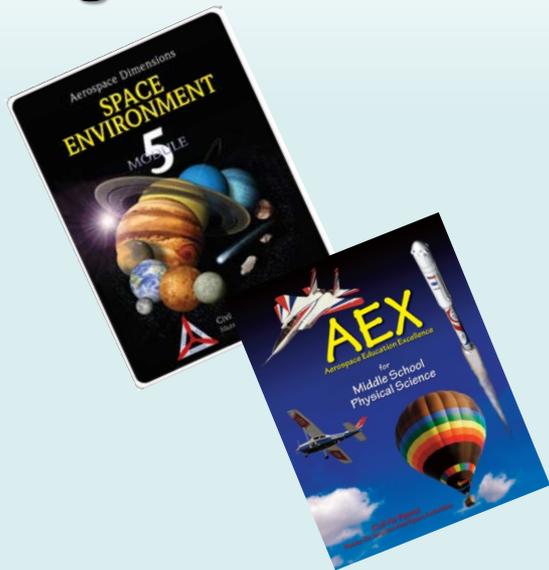
***CAP Continues to provide myriad aviation/STEM opportunities for diverse populations of male and female youth across our country!





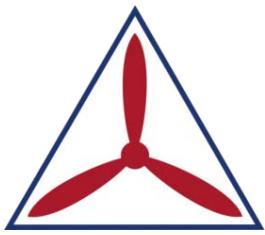
Aerospace/STEM Education

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!

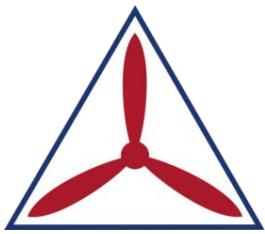


Aerospace/STEM Education

~ *Aerospace Education Membership (AEM)*

- ★ \$35 one-time membership fee; free annual renewal
- ★ Not a member of a CAP squadron; no uniform to wear; 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



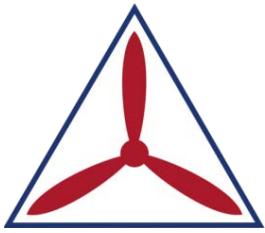


Aerospace/STEM Education

~ *Teacher Orientation Program (TOP) Flights*

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



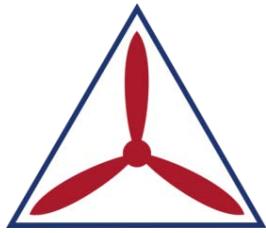


Aerospace/STEM Education

~ Free Curricula Products

- ★ Over 40 products
- ★ Aligned w/ Nat'l Academic Standards
- ★ Pre K- grade12
- ★ Upcoming:
 - Women in Aviation (Volume II)
 - Tuskegee Airmen





Aerospace/STEM Education

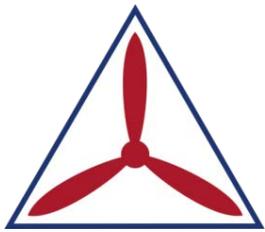
~ *K-12 STEM Kit Program*

Apply for a FREE Kit!

**If approved: use; evaluate;
keep; and apply for another!**



80% Increased STEM Career Interest



Free STEM Kit Program

A sampling of the many K-12 kits offered in three Core STEM Areas

AVIATION

Indoor &
Outdoor
Quadcopters



Flight Simulator

SPACE

Robotics



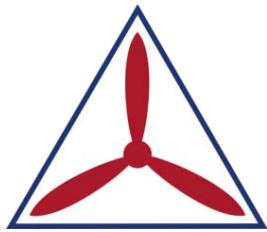
Rocketry



CYBER

BeeBot/Code & Go Mouse
Sphero Mini/Sphero SPRK+
Kano Computer





Aerospace/STEM Education

~ Free K-6th Grade ACE Program

Aerospace Connections in Education

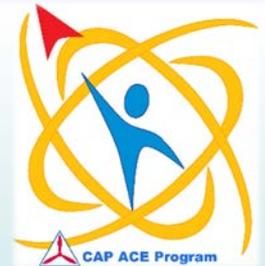
★ Use of aerospace theme to promote:

- ~ academics (STEM-centric)
- ~ character development
- ~ physical fitness

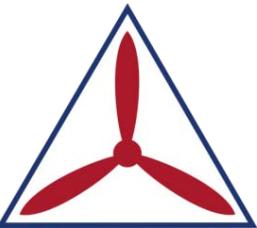
★ 21 lessons per grade level curriculum guide

★ Class set of educational manipulatives

★ ACE completion certificates



**Air Force
Association:
ACE Sponsor**



Aerospace/STEM Education

Aerospace Connections in Education: K-6 STEM

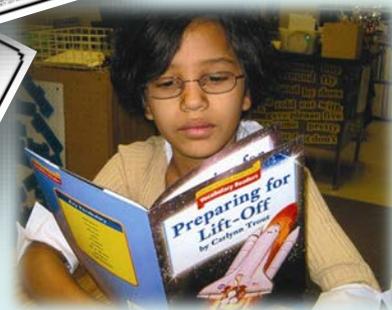


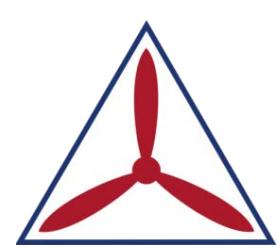
Students	76,449
Teachers	1280
Schools	516
States	50 + DC, PR, Europe

2019-2020

2020-2021

Registration: August 1- December 31



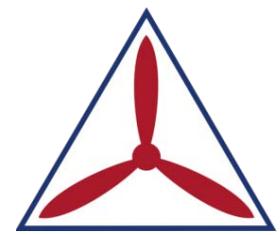


Aerospace/STEM Education

~CAP Squadron Support to AEMs

- ★ Assist with program implementation
- ★ Provide teacher flights
- ★ Share cadets and cadet program
- ★ Classroom aerospace speakers
- ★ Arrange field trips to airports/museums



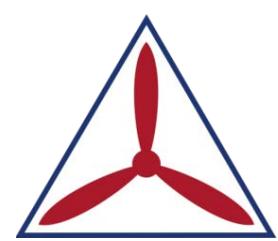


Aerospace/STEM Education

~ 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; being mentored by aviation specialists; or mentoring other youth, themselves?
- ★ Want to know more about the program?
- ★ Read on....





Aerospace/STEM Education

~ CAP Cadet Program www.gocivilairpatrol.com/cadets

★ For youth, ages 12-18, wanting MORE experience in aviation and STEM

★ Military-style program involving:

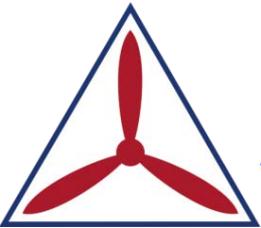
- ~ character/leadership development
- ~ aerospace/STEM career exploration
- ~ aviation scholarships
- ~ physical fitness/drill & ceremony
- ~ community service/mentoring

• CAP Cadet squadrons are located across the nation

~ Locate a local squadron at www.gocivilairpatrol.com

****Enter ZIP code at "Find Your Local Squadron"*



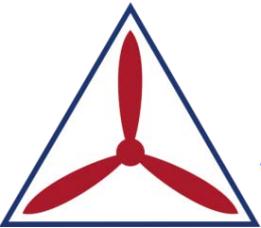


Aerospace/STEM Education

~ CAP Cadet Program Career Exploration

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



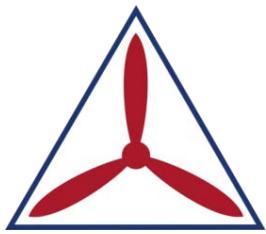


Aerospace/STEM Education

~ CAP Cadet Youth Aviation Initiative!

- ★ Attend a flight academy
- ★ Take orientation flights (powered and glider)
- ★ Apply for scholarship
- ★ Attend flight training
- ★ Even earn Private Pilot Certificate!





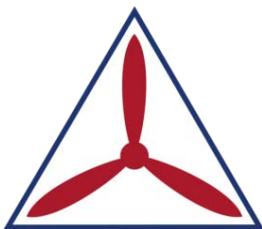
Aerospace/STEM Education

~ Benefits of CAP Aerospace & Cadet Program

Inspiring the
next generation



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



Aerospace/STEM Education

Want to become involved with CAP?

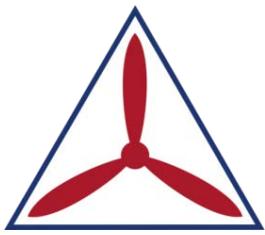
★ Join online as AEM for \$35 fee
www.gocivilairpatrol.com/joinaem

- * 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



*Where Imagination
Takes Flight*

★ Contact ae@capnhq.gov for more information