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
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
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~ Free Curricula Products

☆ Over 40 products
☆ Aligned w/ Nat’l Academic Standards
☆ Pre K- grade 12
☆ 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

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

CYBER

Rocketry
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
Aerospace/STEM Education

Aerospace Connections in Education: K-6 STEM

<table>
<thead>
<tr>
<th>Students</th>
<th>76,449</th>
</tr>
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<tbody>
<tr>
<td>Teachers</td>
<td>1280</td>
</tr>
<tr>
<td>Schools</td>
<td>516</td>
</tr>
<tr>
<td>States</td>
<td>50 + DC, PR, Europe</td>
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Registration: August 1 - December 31

2019-2020

2020-2021
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
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....
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”***
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~ CAP Cadet Program Career Exploration

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