Civil Air Patrol's
CY20 Air Force Association
Annual Program Report

Civil Air Patrol continues to recognize the Air Force Association as a treasured organizational aerospace/STEM education partner via the varied partnership programs with the AFA. Much appreciation is extended to the AFA for the 25-year partnership that has resulted in unit grands and cadet recognition programs.

In December 2017, CAP and the AFA signed a renewed partnership agreement which strengthens support for both organizations' aerospace education initiatives, as well as reciprocal complimentary memberships.

- **CAP has a dedicated page to AFA and CAP Partnership programs HERE.**

AFA Grants for CAP Units and ACE program

Since the 1996 inception of the AFA/CAP partnership, the AFA has contributed over $480,000 in grant funding to enable CAP units (and, until 2018, educator members) the opportunity to complete special aerospace/STEM education projects and programs with young people across the country. During that time, about 460,000 students have been impacted by the AFA grants for CAP units and educator members, averaging about $1.04 per student. CAP members have used this grant funding to promote STEM-related subjects and career options to young people, serving to aid in the preparation of the future aerospace/STEM workforce.

Historically: The AFA provided $22,500 annually to the CAP grant program until 2014, when, for 2015 and 2016, the AFA increased the annual contribution to $27,500 to further grant outreach potential due to CAP's sustained fiscal stewardship. For the years of 2017-2019, the AFA had to reduce the annual funding to $12,500. For 2020, due to AFA fiscal issues related to the COVID-19 pandemic, CAP appreciatively received $7,500.

Until 2018, both CAP educator members and CAP units received AFA Grant funds. In 2019, CAP and the AFA agreed to use the decreased grant funding to support only CAP unit aerospace/STEM projects and programs since the AFA already supported educators nationwide with $500 AFA Educator Grants. This reduced duplicity of AFA funds for educator grants and enabled CAP to better support CAP units.

The funds are used for $250 CAP unit grants that reach all geographical areas of the country, as well as Puerto Rico. Grant recipients are encouraged to collaborate with other groups to increase program impact.

As approved by the AFA, $2,500 of the annual grant funding is specifically allotted to support CAP's K-6 *Aerospace Connections in Education (ACE)* program, to include ACE certificates for all participants, as well as ACE national award grants and associated events.

The application and selection process for the *AFA Grant for CAP Units* ensures that quality STEM-related programs and projects are the foundation of each grant. After-action reports from grant recipients reveal a deep appreciation for and varied benefits resulting from the acquisition of AFA funding. When photos are included, the excitement shows in the faces of the youth benefitting from the grants.

Many of the programs and projects can be replicated numerous times after being funded, thus, there are perpetual outyear benefits of the funding.

2020 return on investment information for the AFA grant program for CAP is delineated below, but, as stated, many programs are replicated for several out years and conducted in collaboration with numerous other youth groups, thus immeasurably increasing downstream program impact.

CY20 $7,500 grant funds expenditures and program impact:

CAP Unit Grants

- Summer Cycle- 20 grants @ $250 each = $5,000 ----------Total youth directly impacted- 1,167

STEM Outreach Grants for Aerospace Connections in Education (ACE) Program Awards

- STEM Outreach Grants= $2,500 ----------Total students directly impacted- 76,537
  ~ Awards for **2020 National ACE School, Educators, and Students of the Year** = $1,125
  ~ National ACE certificates and ACE program lift-off events = $1,400

CY20 Total Youth Directly Impacted by AFA Grants for CAP- 77,704
~Per capita AFA contribution/distribution- $0.097

Other AFA Initiatives to Support CAP

- ***AFA's Annual Recognition at Air, Space, and Cyber Conference:***

National CAP Aerospace Education Cadet of the Year Award

2020 AFA's National CAP AE Cadet of the Year:

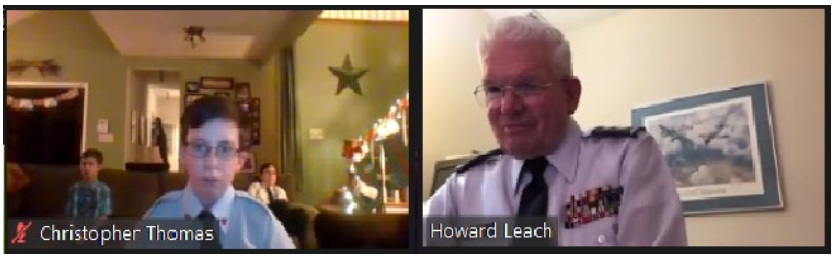
C/Capt Grayson Logan

NER-MA-007 Goddard Cadet Squadron

Currently attending the US Naval Academy in Annapolis, MD, majoring in Aeronautical Engineering, with a focus on Astronautics

- ***AFA's Annual Recognition:*** ***CAP Outstanding Squadron Cadets of the Year***

Upon requests from CAP squadron commanders, CAP NHQ mailed out 268 award CAP squadron cadet award packages with ribbon and medal. Virtual presentations were the norm in 2020.



AFA's Annual CyberPatriot and StellarXplorers Programs- CAP team participation

- As with each year since the inception of the AFA's ***CyberPatriot National Youth Cyber Education Program***, CAP units were given the opportunity to compete in the CyberPatriot program at no cost to units due to the AFA/CAP partnership. CAP team fees are waived as CAP pays all CAP national team competition expenses.
  - CAP team participated in the *All Service Division* of the 2020 competition with 475 teams. CAP also had 165 (71% increase) Middle School division teams compete. Thus, a total of 640 CAP teams participated in the 2020 competition.
  - The two CAP team slots in the 2020 national finals in CAP.NEWS.

FL CAP team placed 2nd in All Service Division for 2020.

CAP's FLWG St. Augustine Composite Squadron CyberPatriot team earned 2nd place nationally in the 2020 CyberPatriot All Service Division.

- The AFA CyberPatriot office has also partnered with CAP to provide all interested squadrons the opportunity to conduct a summer ***Cyber Camp***, at no cost to the squadron, as CAP NHQ pays the fee for a "two-week CAP window" each summer.
  - Info at AFA's Cyber Programs page for CAP.

- CAP also participates in the AFA's annual ***StellarXplorers*** program. The ORWG Aurora Composite Squadron earned a place at the national finals for the 3rd time.

CAP.NEWS provided accolades for this CAP ORWG team which placed 2nd nationally in the virtual 2020 StellarXplorers finals competition.

CAP promoted all AFA-sponsored programs listed above via social media posts; AE website; Constant Contact media e-mails to members; monthly AE Newsletters; Cadet Blog; and CAP.NEWS online news outlet.

What does the AFA do for CAP?

Thank you to the AFA!

Aerospace/STEM Education Partners for the Future

CAP's Reciprocal Support of the AFA

What does CAP do for the AFA?

Free STEM Programs for AFA Chapters

In CY20, CAP provided 72 complimentary AE memberships for AFA Chapter Teachers of the Year and local teachers working with the AFA chapter.

Each complimentary CAP AE membership an AFA chapter gave to a local educator garnered the educator eligibility to receive a wealth of FREE STEM resources to ignite an interest in STEM subjects and careers with the teachers and the students:

- Over 40 free K-12 aerospace-themed STEM educational products
- 18 free K-12 STEM Kits for educators to use and keep
- Free K-6th grade Aerospace Connections in Education (ACE) program- with free grade level specific curricula and student educational materials
- Free K-12 Teacher Orientation Program (TOP) flights at local airports

Cost to AFA Chapters and educators? Nothing!

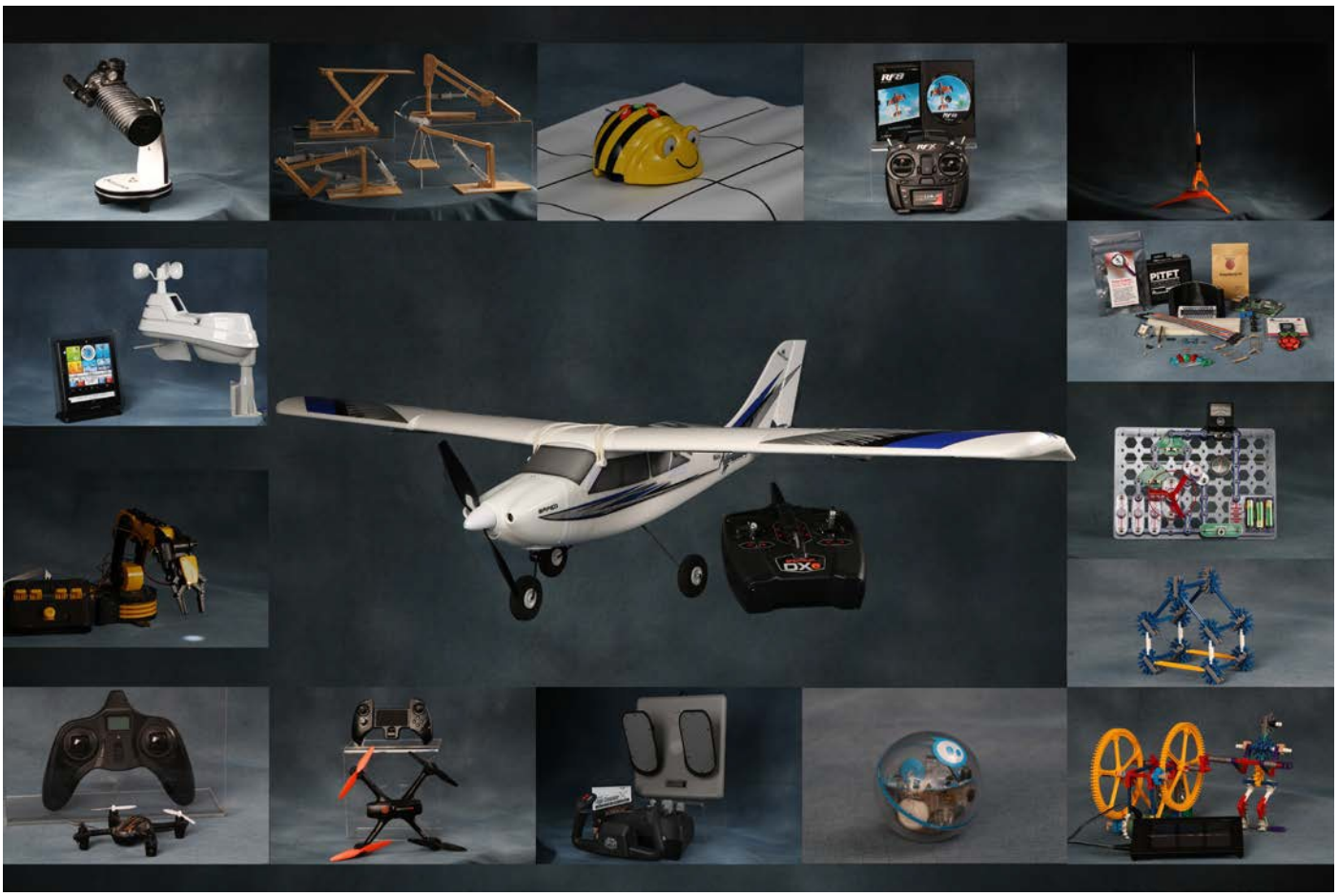
Since this program began in 2011, 2,143 AFA-supported educators have had the regular $35 membership fee waived equating to ($75,705) in CAP funds.

*** In CY20, the 72 educators receiving the complimentary AE membership equated to ($2,520) in CAP funds.

- ***Annual* worth to EACH AFA-sponsored CAP educator member? An average of $300 goods and services!**
- In 2020 alone, CAP provided about $21,600 worth of FREE STEM materials to new AFA chapter-sponsored educators.
- Combined CY20 benefit to the AFA via the complimentary AE memberships: $24,120.
- NOTE: AFA-sponsored educators who have been members for several years and have received free annual renewals are still receiving annual benefits, so the cumulative amount provided by CAP in CY20 is far more.

~ For CY20, at least 7,200 youth benefitted from the free STEM products and programs CAP provides to AFA-sponsored educators.

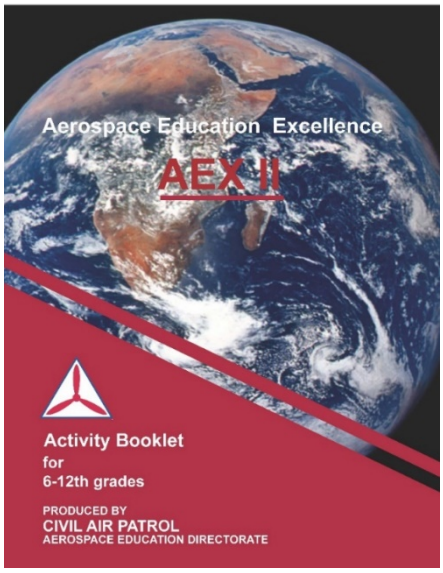
AFA-chapter teacher member sponsorships include free CAP STEM Kits.



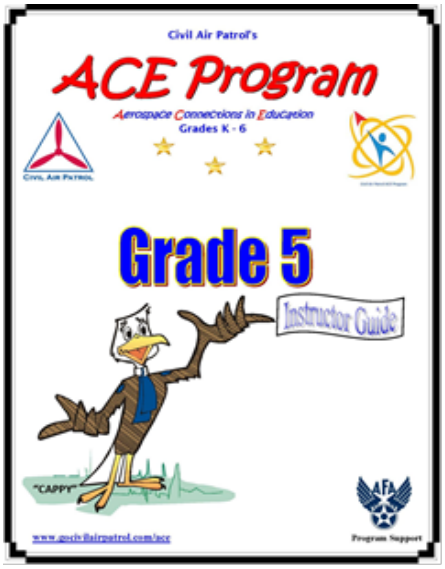
Teachers also have an opportunity to gain aviation-related STEM knowledge during the free CAP Teacher Orientation Program (TOP) flights in CAP planes with CAP pilots flying over their schools from their local airports!

CAP's Reciprocal Support of the AFA, continued:

- National AFA's ***AE Educator Grant Program*** was promoted to CAP educator members via e-mails and social media; and annual AFA Educator Grant selection assistance was provided by CAP.
- CAP curriculum products supported AFA chapter virtual lesson presentations, as with Cape Canaveral Chapter 309 HERE.
- Included AFA-related articles in Volunteer magazine and CAP.News.
- Actively promoted AFA membership to CAP members.
- The AFA logo and partnership is widely disseminated on CAP brochures, certificates, shirts, and curriculum products, printed as:



New AE 2020 products continued to have the CAP/AFA logos and partner message on the backs of the products.



CAP's Appreciation to AFA National Headquarters Staff:

- Kari Hahn and team member, Joe Peel, have continued to provide prompt and professional service in the AFA/CAP grant and award program partnership.

- Bernie Skoch and the CyberPatriot team has provided excellent support for CAP cadet teams, as has the StellarXplorers team members.

- The AFA has included AFA/CAP partnership initiative information on the AFA AE website, in the AFA National Report in the AFA magazine, and in the AFA Newsline and AEC Newsletter.

Respectfully submitted with sincere appreciation,

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1 March 2021