

CIVIL AIR PATROL

Aerospace Education's



ACE

K-6 STEM program



The free **Aerospace Connections in Education (ACE)** program is a fun, interactive aerospace/STEM program for CAP educator members who teach grades K-6. ACE is designed to engage and inspire early-aged youth toward an interest in aviation, space, and other STEM-related careers.



Aerospace

CAP uses the aerospace theme to introduce young learners to air and space flight and the related reading, art, history, and STEM concepts involved. Students are each given a grade-appropriate educational tool to use and keep to learn about and apply the principles of aerodynamics via easy-to-teach lessons.

Connections

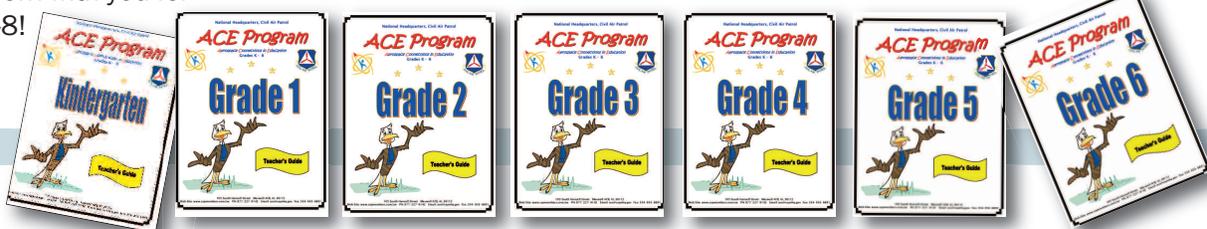
Using the aerospace theme, the ACE program integrates 3 important educational components: *academics, character ed, and physical fitness*. In this cross-curricular program, students can connect content skills with real-life applications and positive adult and teen CAP role models.

in Education

After 10 years in action, this program has had stellar student-centered results, such as 27% increase in science thinking skills. 96% of ACE teachers agree that ACE fits well with skills/standards/concepts they are required to teach.

Quick Points

1. The free curriculum guides are grade-level specific with 21+ lessons per guide and aligned with NGSS and other national academic standards.
2. Each ACE teacher receives free educational manipulatives for each student participant.
3. End-of-program ACE certificates are provided for each teacher and all students.
4. Easy online registration opens August 1st each year.
5. Have a K-8th grade school? We can work with you for grades 7-8!



Register YOUR students as ACE students today!

**Questions?
Contact ace@capnhq.gov**

ACE for CAP Squadrons

How can your squadron be involved?

- Connect with a local school and invite the educator(s) to join CAP as an Aerospace Education Member (AEM) and then introduce the ACE program to them.
- Offer to teach one or more of the ACE lessons to their students.
- Offer to bring some cadets to the school to assist in teaching the lesson(s).
- Try to connect with 5th and 6th grade classes so that the cadets can introduce the Cadet Program to the students.
- Offer to coordinate a field trip to the closest airport or aviation museum or other interesting local aviation venue.
- Offer to coordinate a Teacher Orientation Program (Top) flight for the teachers. Then, have someone stay at the school with the students while the teacher(s) live stream the flight back to the classroom.
- Offer to present the end-of-year ACE certificates to the students.



What are the benefits of becoming involved?

- Great CAP public awareness program for the community.
- Wonderful way to allow the cadets to mentor younger students.
- Exciting opportunity to involve teachers with the squadron with TOP flights, field trips, etc. so that they may decide to become a Sr Member and work in the AE program.
- Best way to introduce the cadet program to students who may otherwise not be aware of CAP's opportunities for young people.
- Get youngsters interested in aviation at an early age to begin preparing them for middle and high school aviation-career pathway programs.... CAP's initial efforts to help build the future aviation workforce.

- Contact ace@capnhq.gov.