CIVIL AIR PATROL

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.







Quick Points

1. The free online curriculum guides are grade-level specific with 22 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 national award grants and certificates for all participants are provided by ACE program supporter, the Air & Space Forces Association.
4. Ask about adding gr 7 & 8 in a K-8 school or a 6-8 middle school.

Aerospace

The ACE program introduces young learners to air and space flight and the related reading, art, history, geography, and STEM concepts involved. Students are each given a grade-appropriate educational tool to learn about and apply the principles of aerodynamics via easy-to-teach lessons, sometimes taught by CAP volunteers!

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

Since 2007, ACE has reached over half a million students in every state, and has seen stellar student-centered results! Teachers report a 27% increase in science test scores and that ACE supports required skills/standards/concepts.



Michigan Wing Civil Air Patrol your source for Aerospace Education Support and STEM Resources
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Questions?
Contact ace@capnhq.gov

ACE Aerospace Connections in Education

K-6 STEM program

Each ACE teacher receives a free class set of grade-specific aerospace educational items that correlate with ACE lessons. Each ACE student is provided one of these fun and engaging items to bring the study of flight and space to life!



Kindergarten
Earth balls

1st Grade
balsa gliders

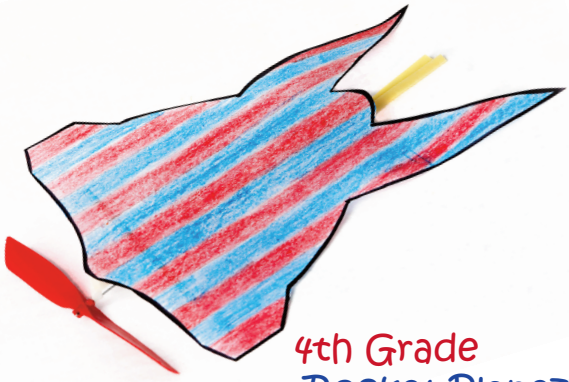




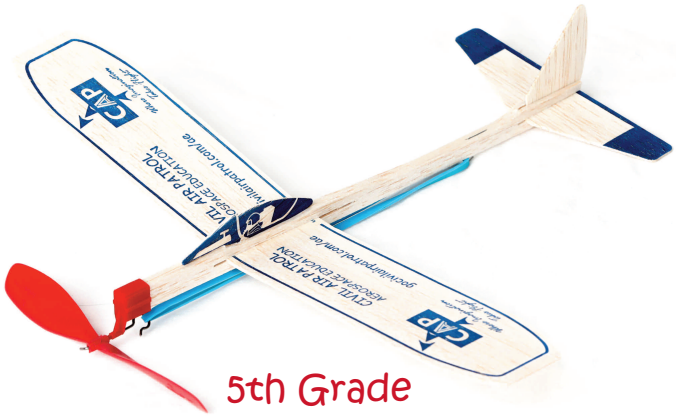
2nd Grade
finger rockets

3rd Grade
foam gliders





4th Grade
Rocket Planez™



5th Grade
balsa planes
(powered by rubber bands)



6th Grade
rocket footballs

Program Sponsor:
Air & Space Forces Association
www.afa.org

AFA Aerospace Education Programs

www.GoCivilAirPatrol.com/ace

Questions?
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