

**Soaring with Civil Air Patrol's Free Aviation/STEM Programs**  
**Susan Mallett, Civil Air Patrol National Headquarters**

Attendees will learn about the many free benefits of being an Aerospace Education Member (teacher member) of CAP. Discover how CAP offers local airport teacher flights, what the Aerospace Connections in Education (ACE) program has to offer, the opportunities of having CAP adult and cadet members speak to and/or work with the classroom, the options of over 40 educational K-12 products, and details of all the free STEM Kits available to use and keep--- from flight simulators, to robotics, rocketry, renewable energy, remote-controlled aircraft, Unmanned Aerial Systems, astronomy, coding, engineering, simple machines, and cross-country navigation. Take home free materials and win door prizes.

**Susan Broderick Mallett Aerospace/STEM Educator [smallett@capnhq.gov](mailto:smallett@capnhq.gov)**

**Civil Air Patrol National HQ, Montgomery, AL**



Susan Mallett is a retired teacher, administrator, and university instructor with an educational tenure of 31 years in Alabama schools. As a public school principal, she led a nationally and internationally-recognized elementary school that integrated the aerospace theme throughout the curriculum. Since 2006 she has served as the Educational Outreach and Air Force Association (AFA) Programs Coordinator at the National HQ of the Civil Air Patrol at Maxwell Air Force Base, AL.

In her position at CAP, Ms Mallett works across the country to coordinate free CAP airplane orientation flights and aerospace/STEM workshops for classroom educators, and, with schools, museums, and youth organizations to connect K-12 youth with STEM-related products and programs, role models, and career opportunities. During the last 36 years as an educator member of CAP, Ms Mallett has coordinated airplane flights for over 1,500 educators and 1,000 students, introducing them to the wonders of the sky and beyond, while igniting an interest in aviation-related STEM subjects and careers.

Ms Mallett secured the funding for and created CAP's initial [K-12 STEM Kit program](#) in 2013, which now includes 22 free STEM Kits and has provided over 37,000 kits for over 2 million youth to be exposed to STEM careers in aviation (to include sUAS), coding, astronomy, rocketry, robotics, engineering, and meteorology. She also created CAP's [K-6 Aerospace Connections in Education \(ACE\) program](#) in 2007, which has benefitted over half a million students in classrooms across the nation with an early interest in aviation/STEM subjects and careers.

Ms Mallett serves on the Air Force Association's Board of Directors, is the National AFA/Rolls Royce Teacher of the Year program lead for the Aerospace Education Council, and assists with the annual AFA Educator Grant program.

Follow Susan on .