

## **Civil Air Patrol National Headquarters Aerospace Education 2004**

### **Aerospace Education Membership (AEM):**

- More than 1500 educator members including non-traditional groups like homeschools
- National standards based aerospace education materials
- In 2004, over 100 teacher members from across the country took advantage of the Fly-A-Teacher program to receive a free powered flight in a CAP aircraft and learn more about airplane fundamentals to share with their students

### **Aerospace Education Excellence (AEX) Program for AEMs and CAP Units:**

- In 2004, 198 educators completed the AEX program, which inspired and motivated almost 10,000 students.
- Of the 198 educators completing the 2004 AEX program, 87 teachers (benefiting almost 4,000 students) received college credit through Adams State College for participating in the AEX program.
- In 2004, 246 CAP units completed the AEX program, which helped almost 4,000 CAP cadets become actively involved in aerospace education.

### **Cadet and Senior Member Aerospace Activities:**

- Week-long Aerospace Education Academy for cadets in Oshkosh, WI (2<sup>nd</sup> annual) involved 22 cadets learning about aviation, aviation history, rockets and space.
- North Carolina Wing Apex Squadron won first place in Experimental Aircraft Association's Wild Blue Wonders competition in 2004.
- Aerospace Education Officer School in Pensacola, FL, hosted 25 CAP aerospace education leaders for intensive training in Aerospace Education duties, responsibilities, programs, and activities.
- CAP units have participated in the new Rocketry Program and cadets have received Rocketry Badges.

### **Aerospace Education Foundation Grants for Teachers and Units:**

- In the Spring and Fall of 2004, 40 teachers were each awarded \$250 grants for aerospace education materials to teach some 7000 students the fascinating and rewarding aspects of aviation and space.
- In the Summer and Winter of 2004, 40 CAP units were each awarded \$250 to use for the teaching of aerospace education to some 2,000 cadets in their units.
- To date, AEF has awarded over \$115,000 in grant money to CAP AEMs and units.

### **National Conference on Aviation and Space Education (NCASE)**

- The 38<sup>th</sup> NCASE was held in Atlanta, GA and reached over 50,000 students as a result of the hundreds of educators attending. Future NCASE conferences will be updated and relevant to teachers facing challenges of “No Child Left Behind”, as well as our regular members that provide aerospace education for CAP youth and senior members.
- Kelly Wardlaw, AEO from Oklahoma, won one of many quality door prizes at the 2004 NCASE. She received a trip to Huntsville, AL to Educator Space Camp.
- Speakers such as former astronauts Jim Voss and Joe Edwards; Gus McLeod; National Teacher of the Year Dr. Betsy Rodgers and many other aerospace and education professionals presented at NCASE 2004.
- NCASE will resume with a 2-day conference in October 2006 in the Washington, D.C Metropolitan area through Partner initiatives.

### **Partner Initiatives:**

- CAP has partnered with such organizations as the American Institute of Aeronautics and Astronautics (AIAA), the Federal Aviation Administration (FAA), Experimental Aircraft Association (EAA) and NASA to present CAP’s aerospace education opportunities to each partner’s membership.
- Estes-Cox has sponsored hundreds of AEMs from across the country.
- Partners such as Aerospace Education Foundation, US Space Camp, AC Supply, Estes-Cox, Midwest Products and Apogee Books have provided discounts or door prizes to CAP members.

### **Products:**

- An International Space Station thematic unit for members
- AE Newsletter that is sent to over 3500 bimonthly
- Space Module on-line
- AE Newsbrief once a month to over 1000 email subscribers
- AE web site (averaging 3500 hits a month)
- New Rocketry Program. On-line (average 500 hits a month) and beginning in November, Model Rocketry Book will be included as a CD-ROM in every new CAP cadet member introductory package
- New on-line Aerospace Education testing for senior members. Average number of tests prior to web-based testing: 350. So far in 2004, 1,925 aerospace education tests have been administered
- STK (Satellite Tool Kit) is being used by squadrons across the country

### **Awards and Recognitions:**

- National Aeronautics Association's 2003 Frank G. Brewer Aerospace Education Trophy
- Air Force Association's Vandenberg Award
- Space Foundation's Education Achievement Award
- USA TODAY'S Best Bet for Educators (2002, 2003, and 2004) for web site

### **Member Awards:**

- AEF, AFA, and USA TODAY co-sponsored the Centennial of Flight Contest. Two AEMs were recognized with a Third Place and an Honorable Mention. Third Place went to Jeri Martin from Thomas L. Sims Middle School and Honorable Mention went to Glen Rutland of Holley-Navarre Middle School.