

**Frank G. Brewer, Sr. CAP Memorial Aerospace Award  
Cadet Category**

**Cadet Lieutenant Colonel Ryan J. Porter**

*Alaska Wing*

Cadet Lt Col Ryan Porter served as the Anchorage Polaris Composite Squadron's Cadet Aerospace Education officer. In this capacity he designed/implemented an annual unit AE training plan, coordinating senior member instructors, resources and venues to enhance the AE mission while providing the cadets as many hands-on experiences as possible.

As a STEM initiative, he designed a home-built wind tunnel; used Remote-Control aircraft equipment on-hand and web-based research; demonstrated/led interactive airfoil design project at multi-unit CAP events, supervised airfoil construction and provided results via wind tunnel test. He also transported the CAP self-designed wind-tunnel activity as AFROTC community outreach to share information on both Aerospace Education and Civil Air Patrol with AFJOTC cadets in the classroom, enhancing 30 cadets' understanding of CAP and key aerospace principles.

To improve retention, he has worked hard to increase Aerospace Education participation and Emergency Service qualifications while also planning orientation flight weekends to drive a 20% increase in sorties flown. He has routinely coordinated Senior Member Instructor Pilot and Cadet schedules to provide cadets with ground-school academics and flight simulator training. This helped many cadets prepare for the Alaska Wing Spring Flight Academy.

Cadet Porter also attained Ground Search and Rescue Team Commander and Staff Instructor qualifications at Hawk Mountain Ranger School. While there, he instructed 20 Cadets through the mountain survival course. He earned his FAA private pilot glider certification and an aircraft single-engine land rating. He also requalified as a remote-control flight instructor and completed training as a small Unmanned Aerial System technician.

