

Take Flight Workshops for STEM Educators

Empowering Teachers, Staff, and Administrators of STEM

The full, two-day workshop for leaders in STEM education includes classroom instruction, experiential training exercises on the ground, and experiential exercises while piloting a general aviation aircraft. The crowing activity of piloting real airplanes in real time results in a positive transformation we call *The Flying Effect*[™]— new learning reinforced by the powerful effects of adrenaline. Experienced ground and flight facilitators introduce participants to new learning challenges and coach them to achieve peak performance in meeting those challenges. Ground facilitators work with participants to use their flight experience as a metaphor for their classroom experience. Thus, peak performance in the cockpit is transferred to peak performance in the classroom and beyond.

FEATURES

- Tested workshop design and techniques
- Curriculum based on scientific research
- Experienced ground and flight facilitators
- Capitalizes on the influence of adrenaline on new learning
- Harnesses the power of metaphor
- Promotes active participation through experiential activities
- Proven to increase self-confidence, adaptability and collaboration
- Participant notebooks and other supplies provided

BENEFITS TO PARTICIPANTS

- New self awareness and understanding
- Improved ability to take risks for new learning
- Development of three essential leadership traits: self-confidence, adaptability and collaboration
- New understandings of the STEM classroom, the STEM student, and the student-teacher dynamic
- Networking of STEM professionals
- Improved ability to develop aviation-related STEM activities for the classroom
- Improved ability to motivate students to pursue STEM careers
 - Especially effective for women, girls, and minorities
 - Female-only workshops available

BENEFITS TO SPONSORING ORGANIZATIONS, SCHOOLS, AND FUNDING INSTITUTIONS

- STEM teachers are invigorated and more creative
- Fosters a network of STEM professionals
- Supports ongoing development of leaders in STEM education as well as STEM students
 - Especially effective for women, girls, and minorities
 - Female-only workshops available
- Perception of the usefulness of local airports and general aviation is improved
- Airports become more fully integrated with their communities
- Recruiting/promotional opportunities for STEM institutions and STEM employers