



SpaceTEC®, a National Resource Center for Aerospace Technical Education and partially funded by the National Science Foundation, has instituted a K-12 Schools-to-Space Program ([www.Schools-to-Space.com](http://www.Schools-to-Space.com)) to encourage K-12 students to consider STEM careers in the aerospace industry.

As part of our K-12 Schools-to-Space Program, SpaceTEC® ([www.spacetec.org](http://www.spacetec.org)) occasionally hosts various STEM educator workshops including:

**“Classroom Laboratory at the Edge of Space: Introducing the Mini-Cube Program.”**

The purpose of this 4 hour course is to teach *aerospace technology instructors, STEM educators grades 6-12, and college STEM instructors* how to set up their own student focused “space program” utilizing the Mini-Cube Program. With this STEM Project Based Learning Activity, students can have the unique, affordable, and challenging opportunity to send experiments and/or technology projects via high altitude balloon to an altitude of 100,000 feet (20 miles), commonly known as the “edge of space.”

Educators learn about teaching the scientific method, team work, research, written communication, and funding options that will enable their students to participate in the full cycle of an actual experiment from the original question to the published results and conduct true science and technology at the edge of space.

**“Teaching Human Space Flight in a Secondary School Classroom”**

The purpose of this 3 hour course is to introduce various tools for *STEM middle and high school educators* on how to teach Human Space Flight and to encourage students to consider a career in the aerospace industry.

Educators will learn about “What it was like to work on the Space Shuttle” from an aerospace technician’s point of view, how to teach the history of Human Space Flight using presentations, research papers, and activities (such as capturing a satellite in microgravity) with the goal of sparking student interest in Human Space Flight and potential careers in aerospace including aerospace technicians.

Textbooks, worksheet packets, and completion certificates are provided as part of the course. STEM education organizations that are interested in our workshops can inquire, with the subject line STEM Educator Workshops, at:

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