



CubeSat Flight Experiments Training for K-12 Educators

When: June 15th - 18th

Where: Albuquerque International Balloon Museum

Learn to build a working CubeSat with onboard sensors and Arduino Microcontroller. This introductory course will teach you everything you need to know in order to build a CubeSat experiment with your students. No prior experience with electronics is required. You will also have the opportunity to send us your student-made experiment for flight as a payload aboard one of our various missions.

Participants will be able to...

- assemble an Arduino microcontroller and sensors.
- program an Arduino and collect data from the sensors.
- solder basic components for CubeSat builds and future electronics projects.
- assemble a CubeSat frame containing an Arduino microcontroller and sensors.
- understand & use the Engineering Design Process to develop future CubeSats.
- track and receive data from orbital satellites using amateur radio.

Enrollment Includes

- \$250 Stipend upon completion of training
- Free laptop for all participants in our school-year support program
- Breakfast and Lunch for each day of training
- Access to the online course materials through the Pathwright Online Learning platform
- Two (2) CubeSat kits, which include all of the parts necessary to assemble a working CubeSat
- Access to TIS staff after the workshop is over for regular troubleshooting
- The opportunity to fly a student-built CubeSat aboard a High Altitude Balloon mission

Participants will also receive a certificate of completion for 24 professional development hours

[Click Here for More Details & Registration Link](#)