

Arkansas BalloonSat Training Opportunity

What: Two days of ADE approved professional development conducted by the Arkansas Academy for Space Science Education High Altitude Balloon Research Team

Who: Grade 5th – 12th Science, Math & EAST teachers

When: June 17, 12:00 (noon) to 6:00 p.m. & June 18, 9:00 a.m. to 4:00 p.m.

Where: Arkansas State University, Lab Science East Room 306

Description: You will be trained to implement a high altitude research program in your school and learn how you and your students can participate in future missions. Multiple teachers from the same school are encouraged to apply. This is hands-on training and covers such topics as the conditions in a near-space environment, flight tracking, ground communications, payload preparations, balloon inflation, and classroom lesson integration. After completion of this 12 hour training you will be qualified to participate in Arkansas BalloonSat launches as part of the Arkansas Academy for Space Science Education research team. Click on the agenda below for more detailed activities.

Benefits: This program is generously funded by NASA, the [Arkansas Space Grant Consortium](#), and the [Arkansas Science & Technology Authority](#). With your participation, you will be working closely with teachers who are experts in conducting student-based research, implementing STEM activities in their classrooms, and learn how to excite your students to pursue careers in math, science, and technology. In addition to the ADE approved professional development hours, you will also receive the following equipment and support:

- A [Garmin Handheld GPS](#) unit
- A multi-function [data-logger with software](#)
- [Binoculars](#)
- Payload box building materials
- Switches, wires, heaters, and other assorted electronic building supplies
- Pre-paid lodging for one night (June 17) in Jonesboro to attend the training as needed
- \$250 to enhance your payload, payable to you from the [ASGC](#) when school starts in the fall
- [ACC 2010](#) registration and one nights lodging in Little Rock on November 4, 2010

Your requirements:

- Become an active participant in near-space missions during the school year
- Involve students in scientific research to include science fairs and publications, as appropriate
- Agree to share your experience at the ACC in the fall
- Answer periodic surveys about your participation in the program