RSESTeP Interest Form

What could you do given access to cutting-edge NASA resources and technologies with your students and local community?

Let us know about your ideas for a local RSESTeP Mission by completing an Interest Form located at:

http://education.gsfc.nasa.gov/

Interest Forms are Due: May 25, 2007

Travel, lodging, and per diem for food will be provided by the program.

Inspiring the Next Generation of Explorers
"as only NASA Can"

Engaging local communities in NASA Earth Science

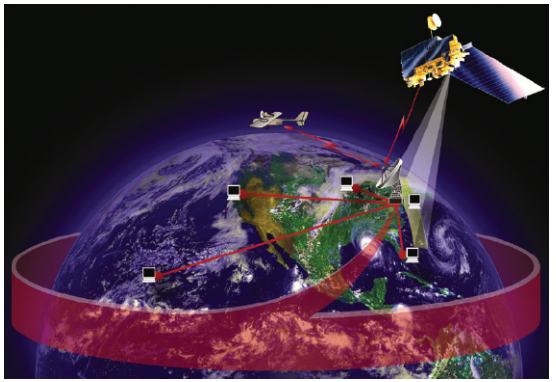
RSESTeP
Goddard Space Flight Center

National Aeronautics and Space Administration

NASA Education Programs
2007–2008

Remote Sensing Earth Science Teacher Program

at Goddard Space Flight Center
Greenbelt, Maryland



www.nasa.gov



Remote Sensing Earth Science Teacher Program

RSESTeP is a Goddard-unique, three-tiered* Remote Sensing program. Science teachers for grades 4–12 are trained to use NASA resources and cutting edge technologies to implement local Earth Science missions with students and local communities. This takes Earth science out of the textbook and into the field!

* The three tiers are Satellite, UAV plane, and Ground.

Participant Criteria

RSESTeP candidates MUST:

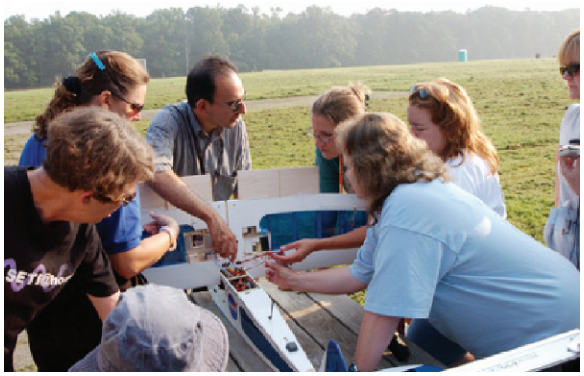
- be a 4th–12h Grade Classroom Science Teacher.
- be a United States Citizen.
- have their principal's signed permission /support.
- be available to come to summer training July 23rd – 27th, 2007.
- agree to implement a local RSESTeP mission during upcoming school year, and post student mission summary data on a GSFC website.

Summer Training

July 23rd – July 27th, 2007

Selected science teachers will come to the Goddard Space Flight Center in Greenbelt Maryland for a full week of RSESTeP training which includes training in:

- The Basics of Remote Sensing/Getting the Big Picture
- NASA Earth Observing Satellite Monitoring Mission Science and Introduction of Global Satellite Data Products
- UAV Plane Operations, Data Collection and Safety Protocols in an Educational Environment
- Ground-truthing Data Collection, Equipment Protocols and Value
- UAV/Ground Field Mission Experience
- Local RSESTeP Mission Planning Guidance & Review
- Satellite/UAV/Ground Data Analysis/Tools & Correlations
- Educational Remote Sensing and Mission Science Activities
- Locating and Using NASA Scientific Visualization and Visible Earth Resources



Local Mission Implementation

During the 2007-2008 school year trained teachers will implement their planned three-tiered local RSESTeP mission in partnership with local scientists and certified American Model Club Association pilots who fly the plane while students operate payload controls and download data.

Local scientists and students collect ground-truthing data to be correlated with satellite and UAV plane data of their area of study during post mission analysis.