



Goddard Space Flight Center's

Remote Sensing Earth Science Teacher Program, (RSESTeP)

Goddard Space Flight Center is home to NASA Earth Science. Earth Observing Satellites continually orbit the globe collecting crucial information about our world's ever changing atmosphere, oceans and land surfaces.



RSESTeP is a three tiered (Satellite, R/C Plane and Ground-truthing) remote sensing Earth Science program that trains 4th – 12th grade science teachers and informal educators to use cutting edge NASA resources and technologies to implement local Earth Science Missions with students and communities.

Teachers nationwide submit ideas for local Earth Science Missions. Selected mission teachers are invited to come to the Goddard Space Flight Center for a full week of **RSESTeP Training** which includes training in:



- The Basics of Remote Sensing
- EOS satellite data product acquisition, interpretation and using software analysis tools
- R/C Plane operations, payload and field protocols



- Ground-truthing data collection instruments and GLOBE protocols.
- Local Mission Planning Guidance with expert Earth Observing Scientists.



Engaging Local Communities in NASA Earth Science



Local Mission Implementation



Trained RSESTeP teachers partner with local scientists and certified AMA Remote Control Plane Club pilots to work with students to implement planned community missions. RSESTeP is helping teachers take Earth Science out of the text book and into field and engages communities in NASA Earth Science



NASA Earth Science Educational Resources become infused into local school curriculums



Sustainable partnerships are formed by teachers with NASA, local scientists, R/C pilots and the community



Students are provided an Earth Science Field Experience to collect and analyze data important to their local area

RSESTeP Program Contacts

Patrick L. Coronado, Program Manager
(301) 286-9323
Patrick.L.Coronado@nasa.gov

and

Sallie M. Smith, ED Mission Coordinator
(301) 286-4674
Sallie.M.Smith@nasa.gov