



NASA's Mission to Planet Earth

An Institute for Classroom and Pre-Service Teachers



Whom: Grades 2nd - 8th pre-service and in-service classroom teachers within any subject area

What: an 11-day summer NASA STEM teacher institute

When: June 5th – 15th, 2013

Where: the University of Oklahoma

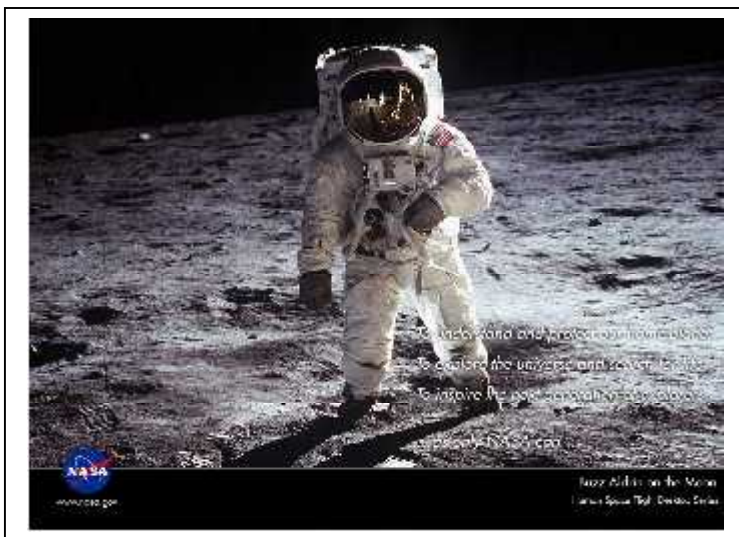
Why: The Oklahoma NASA Space Grant Consortium is sponsoring a summer institute for NASA's Space Science Mission Directorate. We call this **Mission to Planet Earth** (MTPE). Use the excitement of aerospace education to motivate students with a research-based, hands-on STEM curriculum across all subject areas. *Enhance your teaching by aligning these motivational activities with the National Standards and the Oklahoma CORE.*



Cost: Selected participants will receive NASA funding that covers the cost of: ten nights lodging, meals for eleven days, morning and afternoon refreshment breaks, handout materials, curriculum notebooks, "mini ground school", orientation flight in University owned aircraft, flight materials and logbook, model rocket projects, and more!

Course Topics

- *Basic Principles of Flight
- *Classroom Application of Remote Sensing
- *Unmanned and Manned Satellites
- *Living and Working in Space
- *Hands-On Rocketry and Model Rocketry
- *Robotics



--Experience Interactive Flight in University-Owned Aircraft

--Field excursions to Science Museum Oklahoma, Sam Noble Museum, History of Science Museum, the National Weather Center, the Mike Monroney Aeronautical Center, and the Oklahoma Geological Survey.

Applications are due in the Oklahoma NASA Space Grant Office at the University of Oklahoma no later than 5PM on Thursday, November 15th, 2012. All applications will be reviewed on a competitive basis. To receive an application, please contact Kat Rigby at 405.325.6559, or via e-mail: KatOKSG@ou.edu.