



# APPLY NOW: WV Watershed Dynamics Project

## *What are Geospatial Technologies?*

Geospatial technologies include: **GIS** (Geographic Information Systems), **GPS** (Global Positioning Systems), and **Remote Sensing** (satellite imagery and aerial photographs) which allow teachers and their students to explore and study a wide range of disciplines in a highly engaging, powerful, and exciting way.

## *What is WV Watershed Dynamics?*

West Virginia Watershed Dynamics is a cooperative educational project between West Virginia science teachers, West Virginia University, and the NASA IV&V Facility ERC, funded by the National Science Foundation. The project will employ **geospatial technologies**, **project-based learning**, **21<sup>st</sup> Century Skills**, and NASA's **GLOBE Program** to teach watershed science and the geography of the hydrologic cycle.

## *What are the Dates?*

- **Applications due: 2/28/09**
- The on-campus component is conducted **June 14-19, 2009** at WVU in Morgantown.
- On-line activities span July 2009 through May, 2010

[www.wvscience.org/wwatershed](http://www.wvscience.org/wwatershed)

## *Who is Eligible?*

The project is targeting West Virginia educators who teach **science in middle or high school**. Applicants need a strong desire to discover and implement new technology and to inspire their students to think like scientists. No previous experience with GLOBE, geospatial technologies is required.

## *What are the Benefits?*

- **FREE** WVU Graduate Credit for TWO courses in Watershed Dynamics/Geospatial Technology and 21st Century Curriculum Applications
- **Free Software and Equipment** –My World GIS, GPS, and more!
- **Financial Support:** Room, Board, Tuition, and a \$tipend
- **Environmental Literacy:** Knowledge of local watersheds, land uses, and their relationships, water quality and measurement
- **Certification in NASA's GLOBE Program** and the newest Earth System Science Project: Watershed Dynamics