



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**, **21st Century Skills**, and NASA's **GLOBE Program** to teach watershed science and the geography of the hydrologic cycle.

What are the Dates?

- **Applications due: 6/18/10**
- The on-campus component is conducted **July 11-16, 2010** at WVU in Morgantown.
- Weeks 2 and 3 are on-line and run until July 30, 2010

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 \$stipend
- **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