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Providing Educators Authentic Scientific Research Opportunities through Integration of Research Content and Technology with GLOBE Teacher Workshops Using an Integrated Model of Professional Development

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Authentic Professional Developments

- Integration of Established Programs
 - GLOBE
- Incorporation of Multifaceted Technologies
 - iPads (Data collection, Training modules, field visualizations)
- Connection to current and relevant research in the field
 - LIDAR, USGS Waterway Mapping, Soils, GIS

Established Programs

GLOBE:

- Pre-made Curriculum
- Support Mechanism
- Recruitment Factor (Wide Audience)



Multifaceted Technologies

- Modules
 - Self-paced
- Real-time data collection
 - In the Field (Portable)
 - Universal tools in one Device
 - Visualizations in the Field (DEM)



Connections to Research

- Authentic Connections to Current Research
 - Platform for Broader Dissemination
 - Increases Teacher Content

