















*Why GLOBE with

The title II grant expects programs to follow the Iowa Professional Development Model:

GLOBE provides:

- * Professional development
- *Classroom resources
- *Certification
- *A vast array of additional resources to meet the needs of individual teachers and classrooms. many of which can be customized.



*Why GLOBE with **IMPACT**

programs to improve student achievement through the implementation of research based professional development and learning strategies

- The title II grant expects * GLOBE (and all of IMPACT) engages teachers best practices for science education PD
 - Engaging teachers in the kinds of learning that we expect them to practice with their students (but at their own
 - Engaging teachers (and students) in real science research

 - cragarity teacrners (and students) in real science research Time to learn, use and refine use of specific classroom materials/activities (TIAPS). Curriculum Replacement Units (TIAPS) don't add more and more, accomplish more at once and deeper. Case Discussions introducing teachers to other students, teachers and scientists who have successfully contributed to GLOBE.
 - Study Groups regular collaborative interactions (ICN sessions, administrator day at UNI, SPOTLIGHT day, school visits)

 - Professional Networks IMPACT is a network. Teachers join the GLOBE network.



Sponsored by:

- National Aeronautics and Space Administration (NASA)
- National Science Foundation (NSF)
- National Oceanic and Atmospheric Association (NOAA) and
- the U.S. Department of State









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GLOBE in

Eve Halligan, Program Coordinator Iowa Academy of Science Web: www.iacad.org

Email: eve.halligan@uni.edu Phone: 319-273-7486

Address: BRC 50 - UNI, 2607 Campus St. Cedar Falls, Iowa 50614-0508

