

Addressing global climate change in teacher education: An elementary science methods teaching module



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Module Components

Day 1: Earth as a bounded system

- Earth images from space
- Teacher interns' discussion of elementary students' views of global warming and climate change
- Global climate change classroom activities (four)
- Videos of global warming causes and effects

Day 2: Local to global perspectives

- Current events: Maryland and the world
- Mathematics, reading, and social studies curricula connections
- Linkages to local standards-based curriculum, and global competencies for teachers
- Technology connections: YouTube, Skype, National Geographic Society, United Nations
- Formal and alternative assessments



Global Teacher Preparation Competencies Included in the Module

- Skilled and knowledgeable practitioners
- Literate for the 21st century
- Proficient thinkers and problem solvers
- Collaborative team members
- Culturally aware
- Aware of world events and global dynamics
- Effective users of technology and media
- Responsible and ethical citizens