

AAAS Climate Literacy Conference

San Diego, California

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Working with school-based audiences to promote climate literacy

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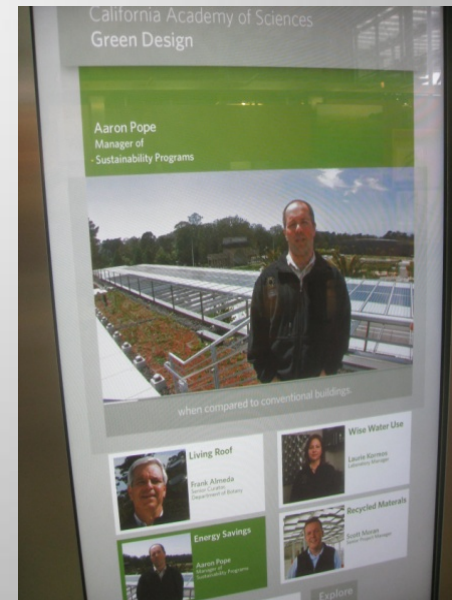
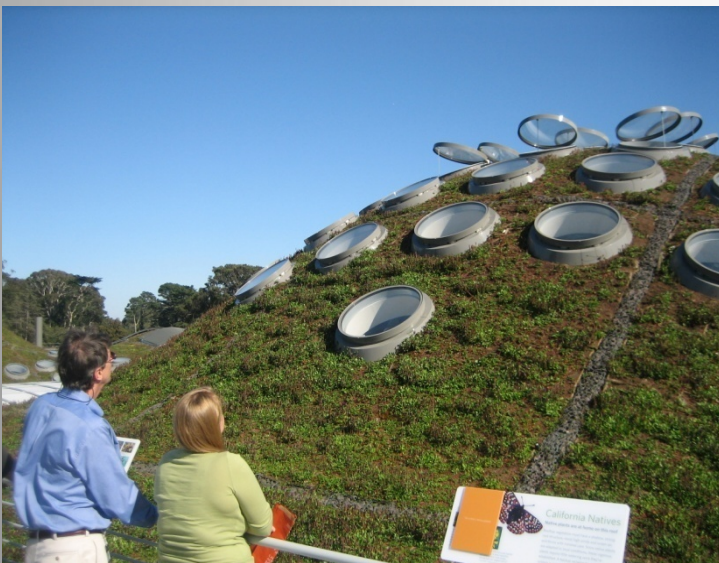
California Academy of Sciences, climate change and sustainability

- Global scientific research program
- LEED platinum “green” building
- *Altered State* (climate change) exhibition
 - Content integrated across the public floor
- Careers in Science intern program
- Teacher Institute on Science and Sustainability
- www.calacademy.org

Biodiversity research



Our new home...*your* home?



Exhibitions

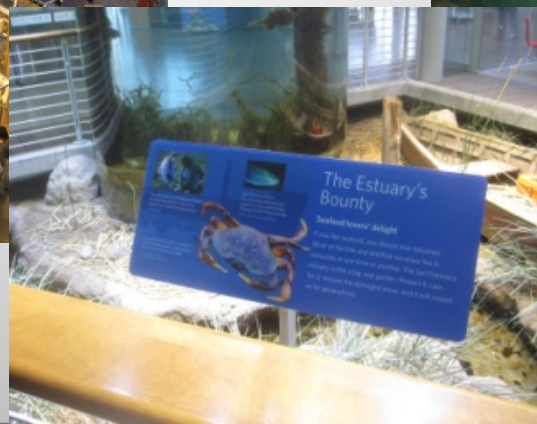
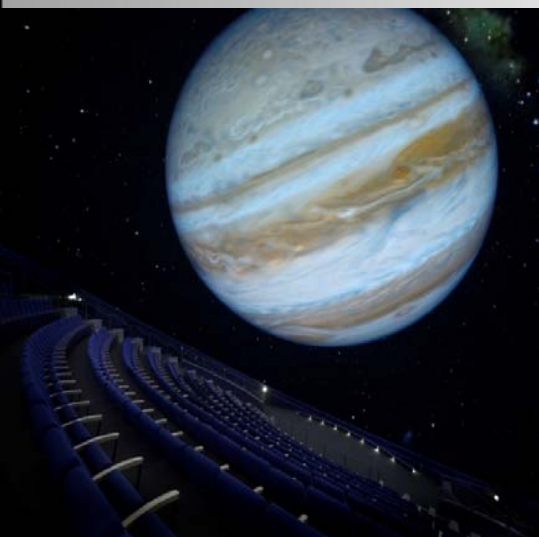


Exhibit related materials for teachers and students

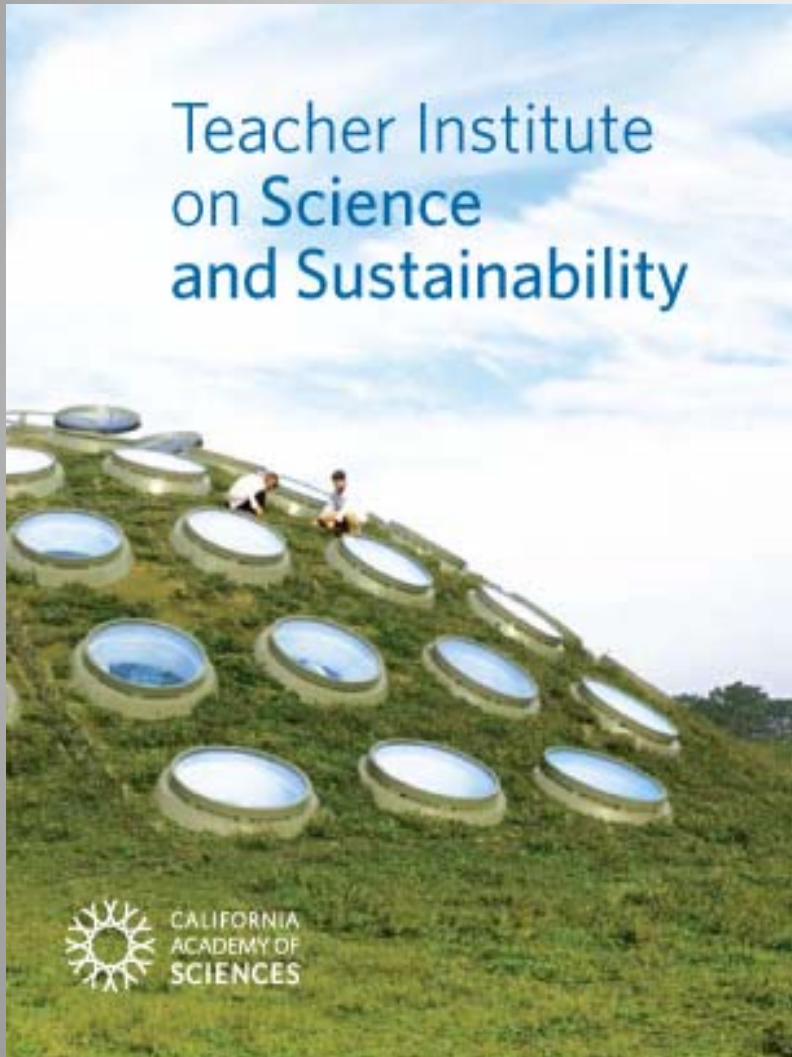
- Teacher workshops on sustainability include:
 - Green buildings and landscaping
 - Water issues in California
 - Energy issues in a changing world
 - Predicting the future of SF Bay (short course with UCMP)
- Lessons plans, activities include:
 - Carbon cycle role play
 - California's climate
 - Coral and chemistry
 - Climate change impacts

Careers in Science intern program

- Program started in 1996
- Youth development program
- Climate change?
 - Teens speaking to teens
 - “Your two cents” exhibit
 - Eco-consumerism workshops for teens



Teacher Institute on Science and Sustainability



Teacher Institute on Science and Sustainability

- Teach the teachers
- Started in 2009
- 30 SF ES teachers per year
 - 900 students/year
- Intensive two year program



- Increase comfort level teaching science
- Mentoring, web presence
- Use of math and science to teach sustainability
- Evaluate best practices for classroom



Important features...

- \$2000 per annum stipend
- Three graduate level credits
 - 150 hours of professional development
 - Academy mentor
- Classroom-ready activities
 - Available on the web
 - Three languages?
- Guaranteed field trip for their students
- Academy membership!

Approach...

- Using science and math to teach sustainability...and climate change
 - Sustainability is the bridge
- Topics include:
 - Green buildings
 - Climate change impacts
 - Energy sources, usage
 - Waste management
- Solutions-based
 - Empower, not scare
- Outcome “green our school” projects
- www.calacademy.org/teachers/tiss



Climate change and sustainability

The most important issue for the next 50 years

Pivotal point in history

What we've done thus far isn't working

Do more, do it differently

Celebrate successes...find cause for optimism...

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