

Community College Pathways to Improved Teacher Preparation



Pathways Project

- *Preparing Tomorrow's Teachers to Use Technology (PT3) Grant*
- October 1, 2003-September 30, 2006
- Started project activity January 1, 2004
- Award of \$1,500,147



Partners

- CIESE, Stevens Institute of Technology
- Miami-Dade College, Maricopa and Cuyahoga Community Colleges
- League for Innovation in the Community College
- Education Commission of the States
- Polaris Career Center
- Bank Street College of Education
- NACCTEP
- Institute for Learning Technologies (Evaluator)

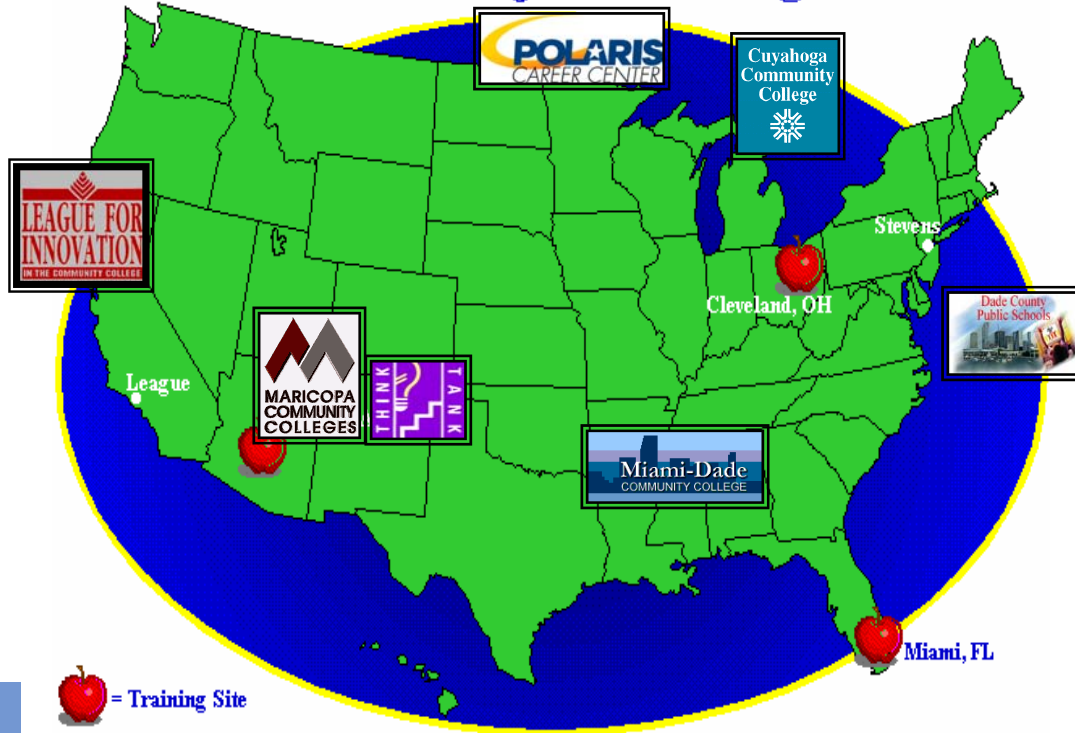
Context

- Grew out of 6-year Alliance/Alliance+ (TICG) partnerships
- Alliance+=PD and support for integration of RTD in K-12 curriculum (2-tier turnkey training)
- Focuses on community college role in preservice teacher education
- Adapts a proven set of K-12 training & curriculum materials for use in community college courses

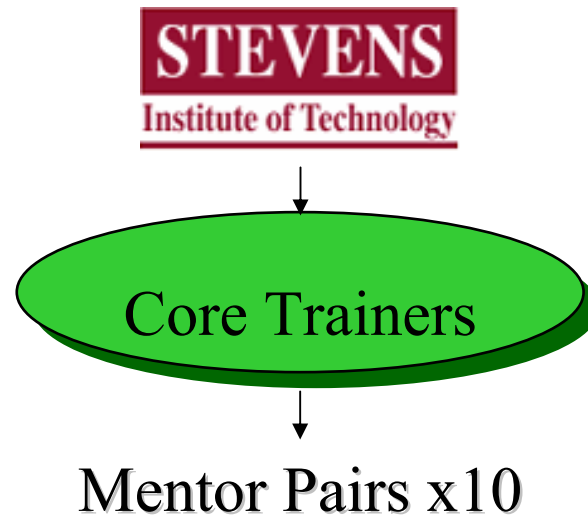
Alliance+



Alliance Project Training Sites



2 Core Trainers → 20 Mentors (10 pairs) →
20 Classroom teachers each (200)



= 20 teachers



20 Classroom teacher x 10 =
200 Classroom + 20 Mentors
= 220 Trained

Project Goal

“...to strengthen community college math, science, language arts and educational technology courses to ensure that they prepare preservice P-12 teachers to make effective use of innovative Internet-based tools and curriculum resources in the classroom.”

Overview

- Focus on Internet-based real-world data in science, math, educational technology, & language arts
- Library of Real World Learning Objects (RWLOs)
- 26-hour, 8-session, blended mode faculty development program, *Savvy Cyber Professor*
- 3 year program involving faculty from 33 community colleges

Vehicles

- Faculty development program: *Savvy Cyber Professor*
- Real World Learning Objects (RWLOs)
- Online learning community

Essential Question:

How can the Internet enhance teaching and learning?



Unique & Compelling Applications

Internet applications can provide a revolutionary new instructional tool that can create opportunities for students to engage in more authentic learning.

Unique

Cannot be done without Internet technology

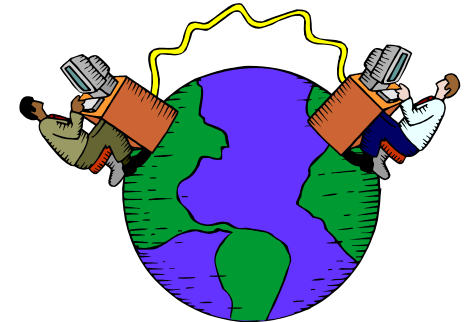
Compelling

Provides students with real world learning experiences



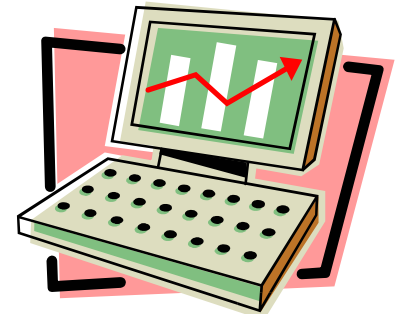
Unique & Compelling Applications

- **Real Time Data**
- **Telecollaborative Projects**
- **Student Publishing**
- **Primary Source Data**



Real World Learning Objects (RWLOs)

- Concise core instructional activities focused on discrete topics in higher education
- Science, math, ed tech, and lang. arts
- Incorporate Internet-based “unique and compelling” activities
- Easily used in similar courses at other institutions



Pathways Project Timeline

- Year 1: RWLO and Savvy Cyber Professor Materials Development & Beta Test
- Year 2: Training at 3 Partner CC's (24 faculty @) & for 12 Recruited CC's (teams of 4 faculty)
- Year 3: Training for 18 Recruited CC's (teams of 4 faculty)

For More Information

Pathways Project Web Site

<http://www.k12science.org/pathways/>

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