UC Berkeley Interactive University

Using the Internet for University/K-12 Partnerships

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Today’s Presentation

- IU project overview and history
- Current Phase
- Lessons for Educational Systems
- Possible Lessons for PNC / ECAI
IU Project Overview

- Framework for thinking about the use of the Internet for University/K-12 relationships
  - Improve effectiveness of UC outreach efforts
  - Improve implementation of technology in schools
  - Broaden the base of students qualified for University education

- Initial Plan
  - Build a model of UC/K-12 use of the Internet to support teachers, students, and their families in disadvantaged communities
Experimentation Phase

- Explore Internet Outreach
  - Electronic mentoring and tutoring
  - Electronic recruitment and admissions
  - Digital curriculum development w/ teachers
  - Access to digital libraries and museums
  - On-line access to faculty and visitors
  - Peer-to-peer networks of teachers, students, families
20 Pilot Projects

- 40+ campus academic & outreach units
- 100 teachers from Oakland and SF
  - 10 high schools, 10 middle schools, 6 elementary schools
- Adult center, charter school, comm colleges
- Students, families, and counselors
- All major disciplinary areas: sciences, social sciences, and humanities
Overall Project Coordination

- Leadership at three levels
  - Vice Chancellor and Associate Superintendents for Curriculum
  - Campus pilot coordinators and school principals
  - UC faculty/staff/students and K-12 teachers
- Full time liaisons for each district
- Evaluation team from UCB Grad School of Education
Support by major stakeholders

- U.S. Department of Commerce TIIAP Grant
- Oakland and San Francisco School Districts
- AT&T, Pacific Bell, IBM
- UCB Chancellor’s Office
- Berkeley Pledge
- Campus Departments and Units
Example projects:

- Interactive University Pilot Projects: [http://iu.berkeley.edu/](http://iu.berkeley.edu/)
- Institute of International Studies: [http://globetrotter.berkeley.edu](http://globetrotter.berkeley.edu)
Evaluation: Tough questions about Internet outreach methods

- Real impact on students and achievement?
- Have we improved teaching practices?
- Balance of face-to-face & Internet methods?
- Do these Internet outreach methods scale?
- Are they sustainable?
- Are they cost effective?
- Integrate research, teaching, and outreach?
Results: Importance of relationship and evaluation

- Collaboration improves communication and visibility of school district needs
- University is in a good position to do research on what is effective technology for K-12 education
Lessons: Technology

- Infrastructure: Requires money and time
- Technical support: Chronically underfunded
- Distribution of resources in the schools: Need more equitable distribution
- Training: Essential and most effective when tied to projects
Lessons: Technology cont.

- Internet tools: Software product changes and lack of standards has impact
  - University can help drive standards and provide tools

- Internet outreach methods:
  - multiple modalities may be most powerful but are most complicated
What’s next?

- Goals
  - Project design that is community driven
  - Core values and standards incorporation
  - Curriculum development
  - Collaboration support
Beginning Second Phase

- Grants for continuing projects
  - [http://iu.berkeley.edu/iu](http://iu.berkeley.edu/iu)
- Core standards project
  - [http://www.ousd.k12.ca.us/CV/](http://www.ousd.k12.ca.us/CV/)
- Collaborative spaces
  - [http://ucnexus.berkeley.edu](http://ucnexus.berkeley.edu)
Lessons for Educational systems

- Advantages of University/K-12 relationship
  - University research expertise
  - University technical implementation expertise
  - Information resources of University available to schools
  - Changes in K12 teaching methodology
  - Student relationship with university
Parallels with PNC

- Collaborative model
- Distributed responsibility
- Dynamic participant group
- Mixed source media and diverse audience
- Technical and social issues
- The sum is greater than the parts
Lessons for PNC

- Need to look for scalable solutions
  - document successes
  - create tool sets
- Need collaboration support mechanisms
More information on the Interactive University Project

iu.berkeley.edu/iu