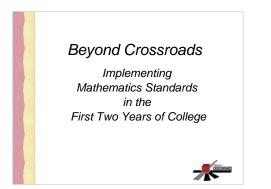
Report to CAMTE from a community college math faculty member I. (Why me?) **II.Beyond Crossroads III.CSU-CCC MOU**

I. (Why me?)

- · Chair, MAA Committee on Technologies in Mathematics Education Associate editor, Journal of Online Mathematics and its Applications Consultant, Project NEXT and Project ACCCESS Writing team member, UCLA's Math Content Program for Teachers
- Past committee member in CSUN's Teachers for a New Era initiative Implementation coordinator, Beyond Crossroads





Beyond Crossroads includes:

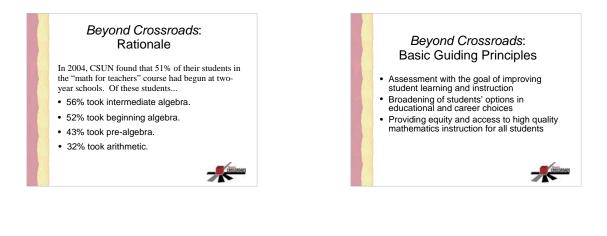
- · Rationale and process for embracing change in mathematics programs of two year colleges
- · Basic principles
- · Five implementation standards
- · Involvement of stakeholders
- · From vision to reality



Beyond Crossroads: Rationale

- In 2002-2003, 53% of all US undergraduate students were enrolled in 2-year colleges. One third of 2-year college students were minority (black, native American, Asian/Pacific Islander, Hispanic). •
- In 2005, 2-year colleges served 10.1 million students, 6.6 million in credit classes.





Basic Principles (cont'd)

- Including innovation in the teaching of mathematics as a component of programs
- Providing a classroom environment that facilitates active student involvement in learning
- Weaving quantitative literacy throughout all courses and programs



Basic Principles (cont'd)

Demonstrating relevance in the mathematics that students study

-

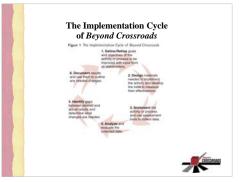
- Employing research-guided instructional practices
- Including technology as a feature of mathematics teaching and learning

The Implementation Cycle of Beyond Crossroads

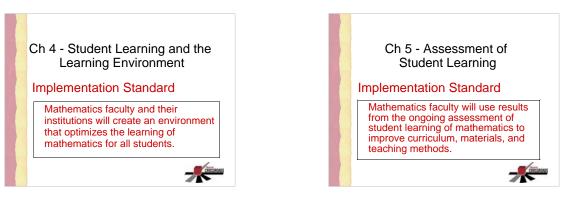
A six-step implementation cycle is presented in this new document as a model for making change and improvements in a component of mathematics education.

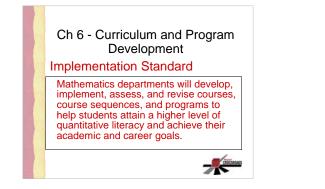
In an effort to facilitate the sometimes overwhelming process of change, it provides a step-by-step process for continuous improvement.

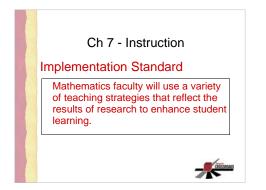




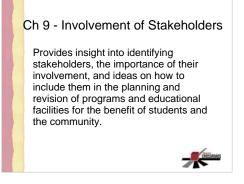


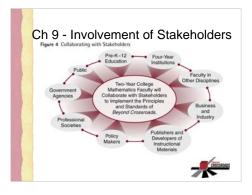


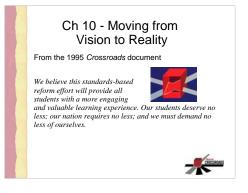


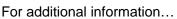












- The printed document
- The AMATYC web site, www.bc.amatyc.org
- Electronic resources a work
- in progress – Quantitative Literacy
- Assessment
- The Outreach Kit
 Beyond Crossroads Live!



III. The CSU-CCC MOU

19 October 2006

"CSU and CCC will collaborate in publicizing the significant need for mathematics and science teachers in California and the opportunity to complete an articulated program of preparation that begins with lower-division preparation at the community college and is completed at the CSU..."

Where we are:

- CSU math chairs created lists of courses that would articulate with CCCs in the Lower Division Transfer Patterns (LDTP) relevant for teaching.
- Pierce College has historically had strong connections with CSUN.
- Pierce Educators Prep Program (PEPP) already aligned much of the teacher prep curriculum between Pierce and CSUN.

BUT...

- PEPP, which had more than 500 prospective teachers at Pierce, was terminated when faculty member Larry Andre's grant funds ended.
- Only adjunct Pierce math faculty teach the "math for teachers" course.
- No one at Pierce outside the math department has even heard about the MOU.

Where we are (cont'd)

- Our VP of academic affairs has not answered my email questions about the MOU, and it appears that no one else knows if anything is being done to promote the MOU.
- No Pierce faculty or administrator currently has any responsibility to encourage, recruit, organize, or otherwise aid prospective teachers.
- The CCC Teacher Preparation Pipeline RFA was rescinded.

Where we are (cont'd)

Pierce may be atypical for a CCC!

Final thoughts

Community colleges already play a significant role in the preparation of teachers, but this fact is evidently unappreciated even by many of the community colleges themselves.

Changing the culture of students, faculty, and administration at two-year colleges to see the two-year schools as players in teacher prep may require more effort than can be generated by a handful of two-year college faculty.

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For Beyond Crossroads: www.bc.amatyc.org