



NSF Grant # DUE 0501971

Proven Practices for Recruiting Women to STEM Careers in ATE Programs

Edmonds Community College, Lynnwood, WA



In-Depth Site Visits

Criteria

- ATE funded programs involving STEM students
- In operation for at least 1 year
- Demographics & Geography
- Programs consenting to a visit

Activities

- Visit STEM classes
- Hold focus groups with:
 - Faculty
 - Women STEM students

Classroom Visit



The Girls in the Back Row (self-selected seating)
Physics Class, Allan Hancock College, Santa Maria, CA
Photo: Margaret Lau

Focus Groups with Faculty



Tribal College Faculty Focus Group
Southwestern Indian Polytechnic Institute, Albuquerque, NM
Photo: Mel Cossette

Focus Groups with Women Students



STEM Students, Allan Hancock College, Santa Maria, CA
Photo: Margaret Lau

Program Information

A Three-Year Project

Activities:

RESEARCH ASSESS IDENTIFY
COMPILE DISSEMINATE

...proven strategies to increase recruitment of women into science, technology, engineering, and math (STEM)

Goal:

PROMOTE LONG-TERM, FUNDAMENTAL CHANGES

...in the recruitment of females into educational programs preparing them for entry into STEM careers

Database Construction

Total of 284 ATE programs

Inclusion criteria:

- Funded by ATE through DUE
- Start date 6/30/2006 or earlier

- Renewals of established programs with start dates on or after 7/1/2006

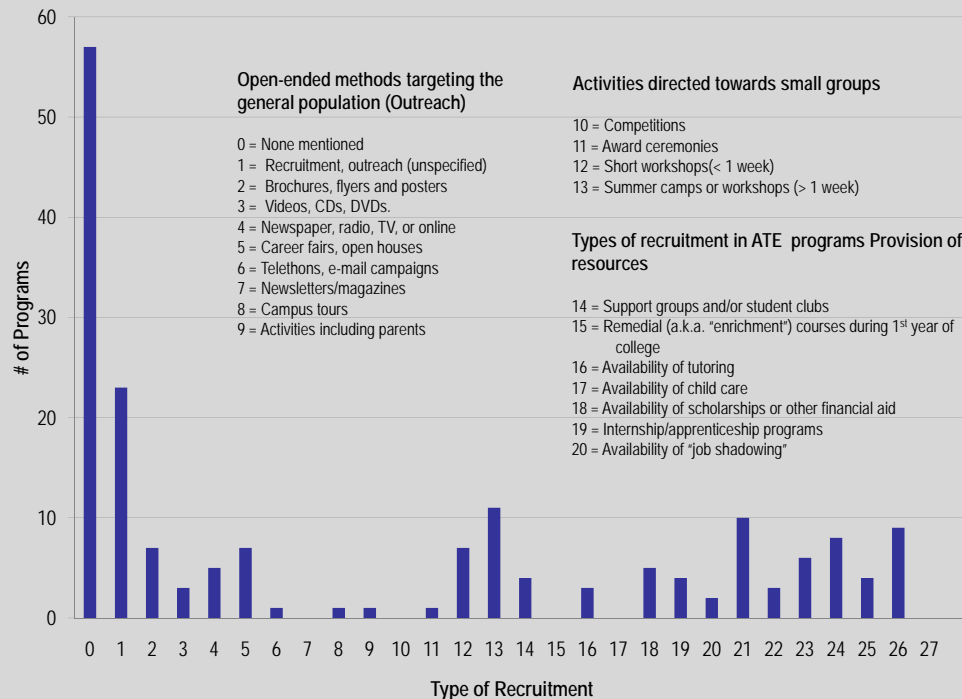
- in operation during summer 2006 and/or academic year, 2006-2007

Exclusions:

- Planning grants
- Research grants
- Digital library grants

Preliminary Data Analysis

Recruitment Activities of ATE Programs (N =106)



Availability of Resources (Tutoring, Scholarships...)



Mathematics Center, Allan Hancock College, Santa Maria, CA
Photo: Margaret Lau

Career Fairs



Materials Science and Technology exhibit, Edmonds Community College
Photo by: Mia Murphy

More Types of Recruitment

Multi-level Personal Recruitment

- 21 = Mentoring
- 22 = Vertical student interaction (college to high school)
- 23 = College faculty visits to high schools
- 24 = Visits by college non-faculty representatives to high schools
- 25 = Visits by faculty or college representatives to schools to talk with teachers, counselors, or administrative staff

Institutional integration

- 26 = Vertical articulation agreements across educational levels
- 27 = Horizontal agreements between colleges allowing students to take courses for credit at more than one college simultaneously

Project Personnel & Location:

Personnel	Location
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