

EDUCATION RESEARCH

TEACHERS

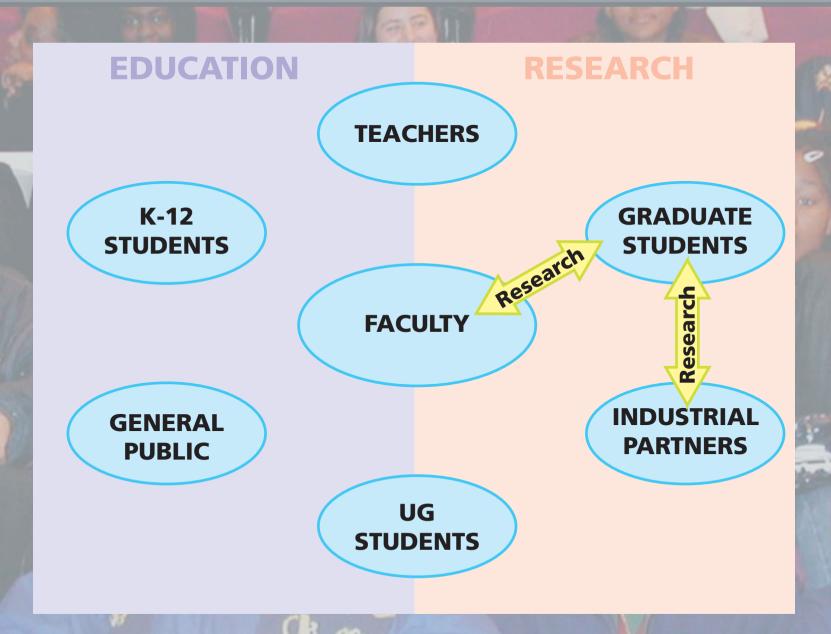
K-12 STUDENTS

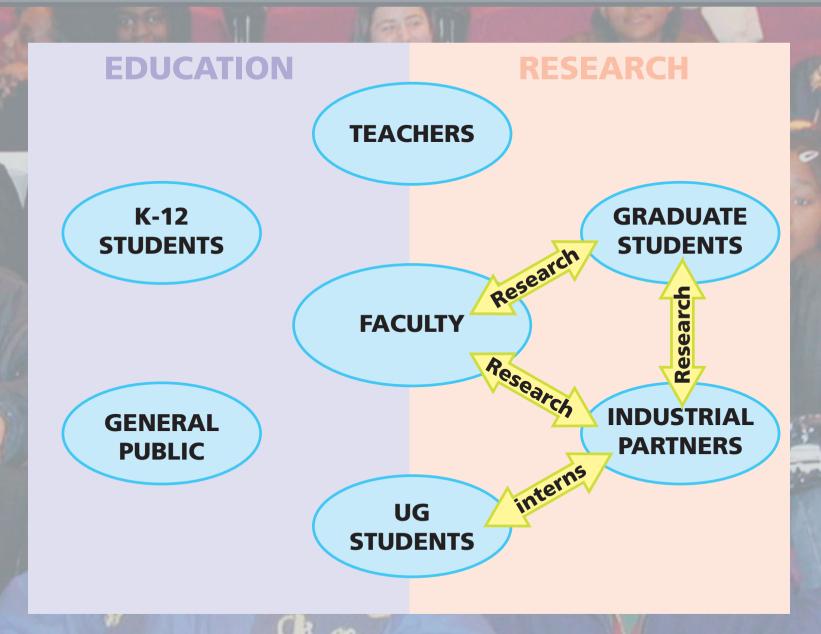
FACULTY

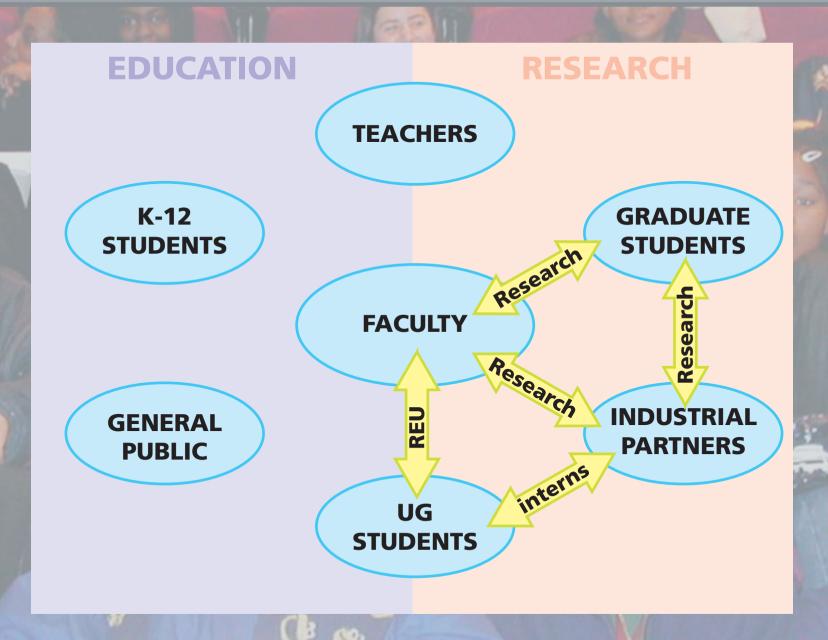
GENERAL PUBLIC

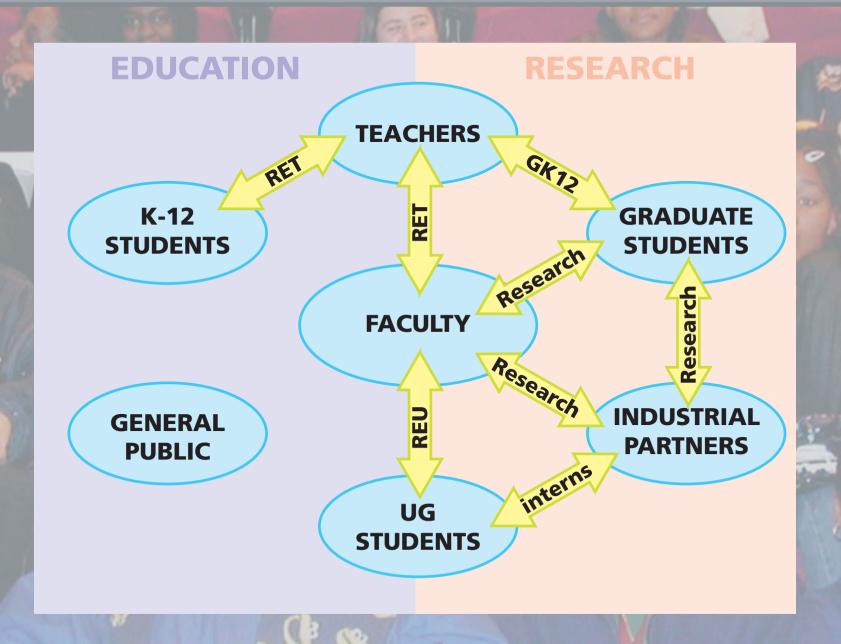
UG STUDENTS **GRADUATE STUDENTS**

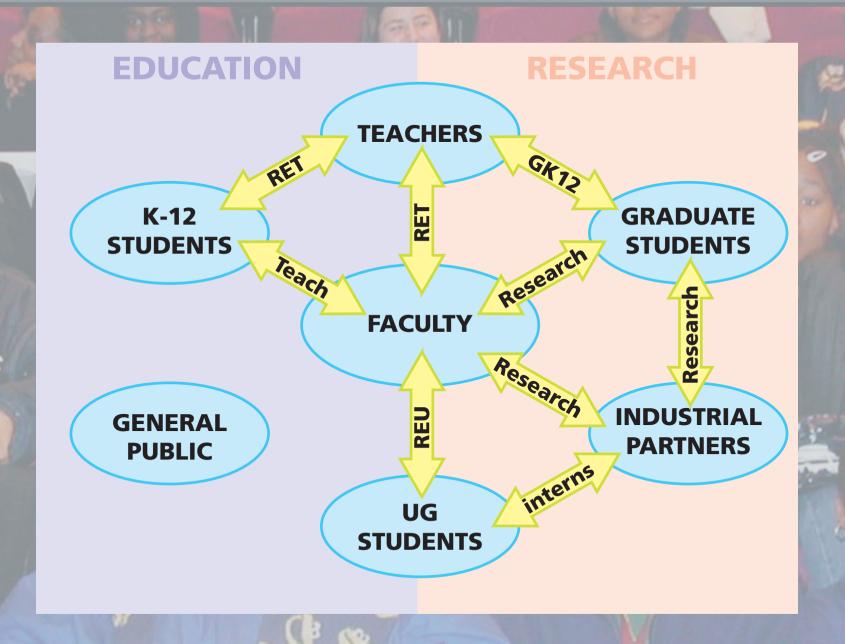
INDUSTRIAL PARTNERS

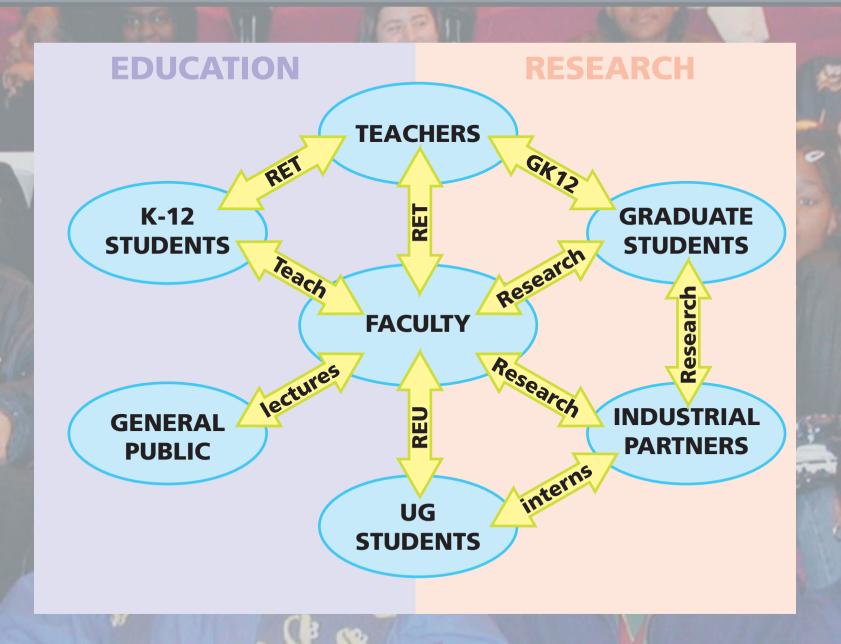


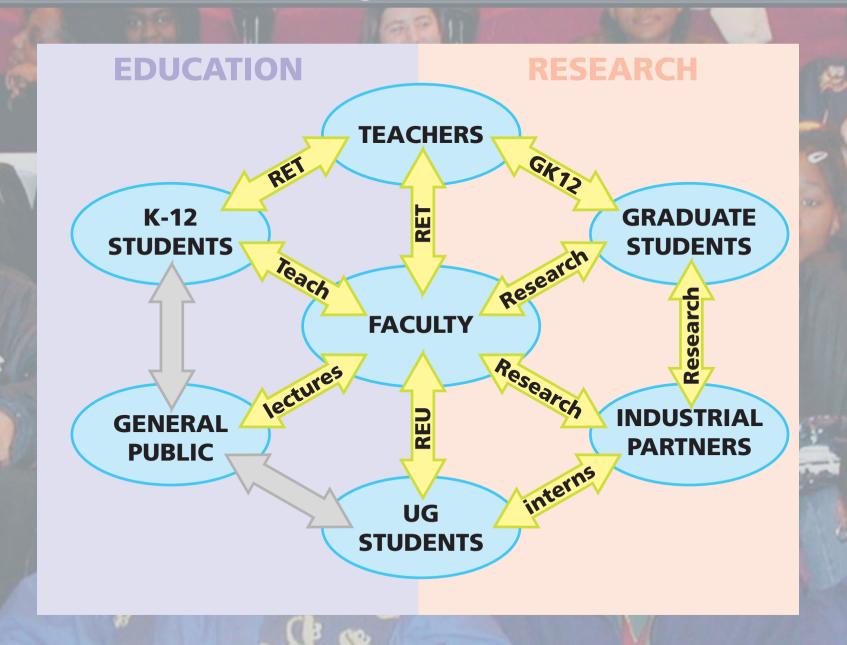












Broad Faculty Involvement

Science presentations



Science presentations



GK-12 Fellows Program



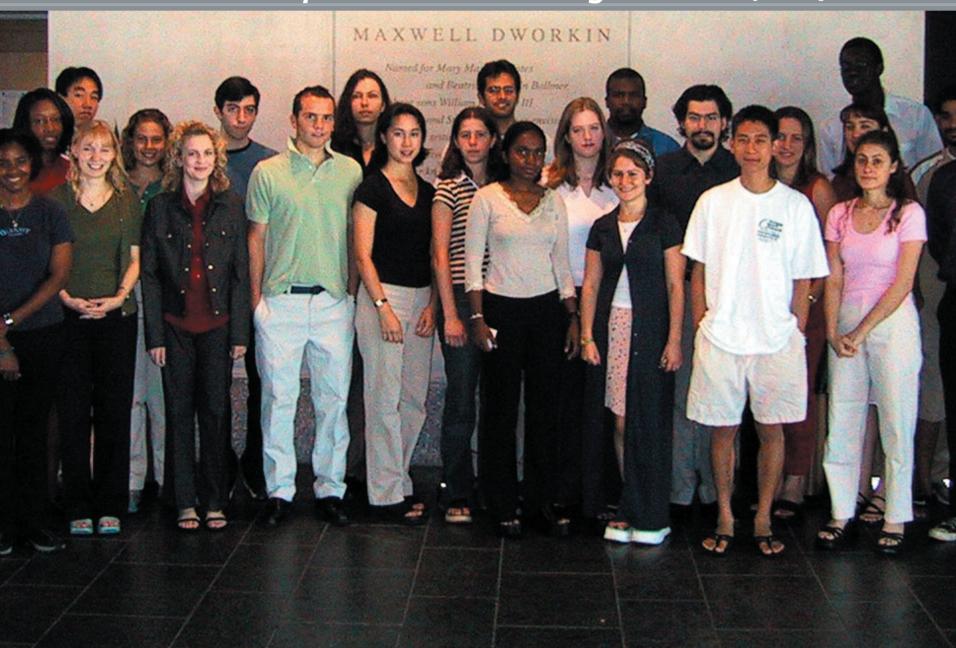


Partnership with Museum of Science

Research Experience for Undergraduates (REU)

- Summer research projects for undergraduates
- Matching funds provided DEAS and College
- Interdisciplinary research environment
- Use of shared experimental facilities

Research Experience for Undergraduates (REU)







Undergraduate

Nadya Mason
Harvard College, Stanford University
Junior Fellow







RET participant

Jim McNeil Geology Middle School



Project (Stone Group):

Research: Effect of bubble size on foam drainage



REU participant

Tanya Hadzic

Eckerd College

Now: University of Iowa (Immunology)



Project (Whitesides group):

Research: Self-assembly of mesostructures





"my experience that summer helped me decide that I truly loved research and that I wanted to do research full time"



RET participant

Kristy Lenihan
Physics
High School

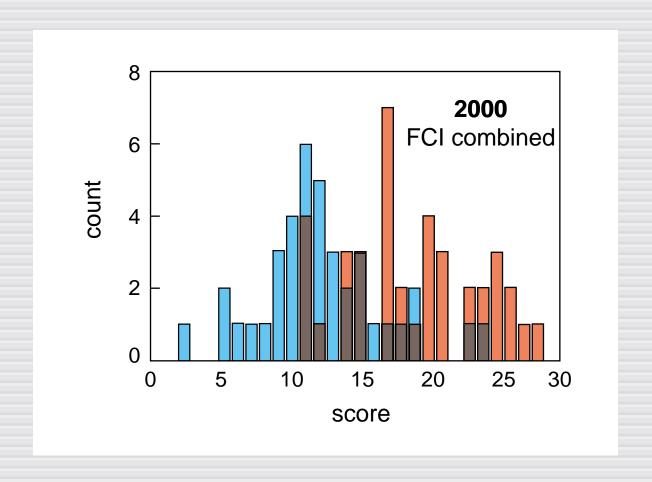


Project (Mazur Group):

Research: Micromachining of transparent materials

Education: Development of optics curriculum

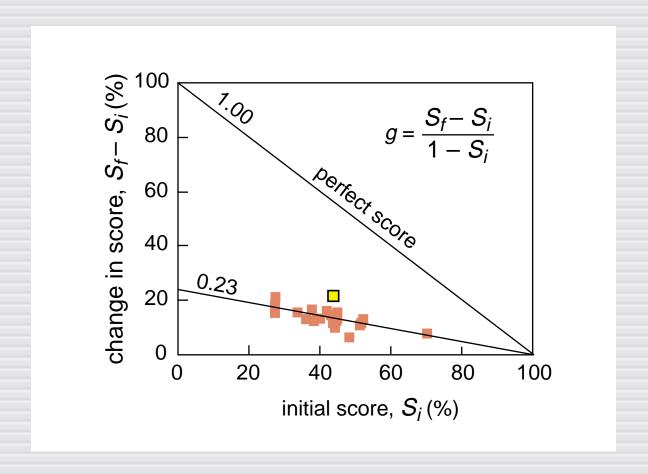
FCI data



gain: 22%

FCI data

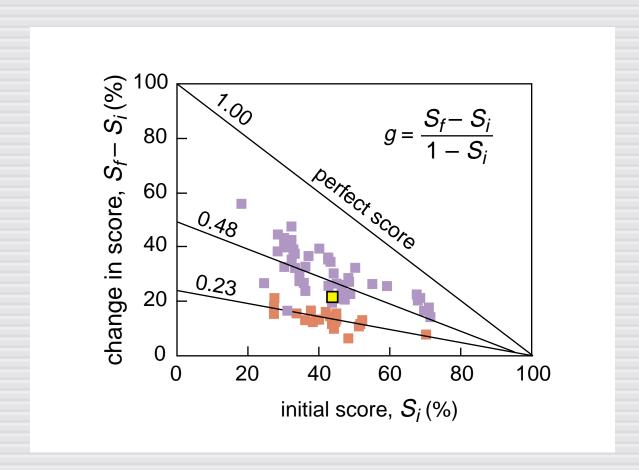
traditionally taught courses



R.R. Hake, *Am. J. Phys.* 66, 64 (1998)

FCI data

interactively taught courses



R.R. Hake, *Am. J. Phys.* 66, 64 (1998)

Undergraduate

Andrea Kurtz Harvard College

Now: Stanford University (Chemistry)



Senior Thesis (Hongkun Park):

Research: Colloidal nanotube catalysts





