



WHAT IS ENGINEERING?

Presented By:

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Overview

CSUCI, in partnership with Johns Hopkins University and California Lutheran University, ran a five-week summer program for high school students titled "What is Engineering?" CSUCI was selected as one of five universities to participate in the nationwide effort by Johns Hopkins.



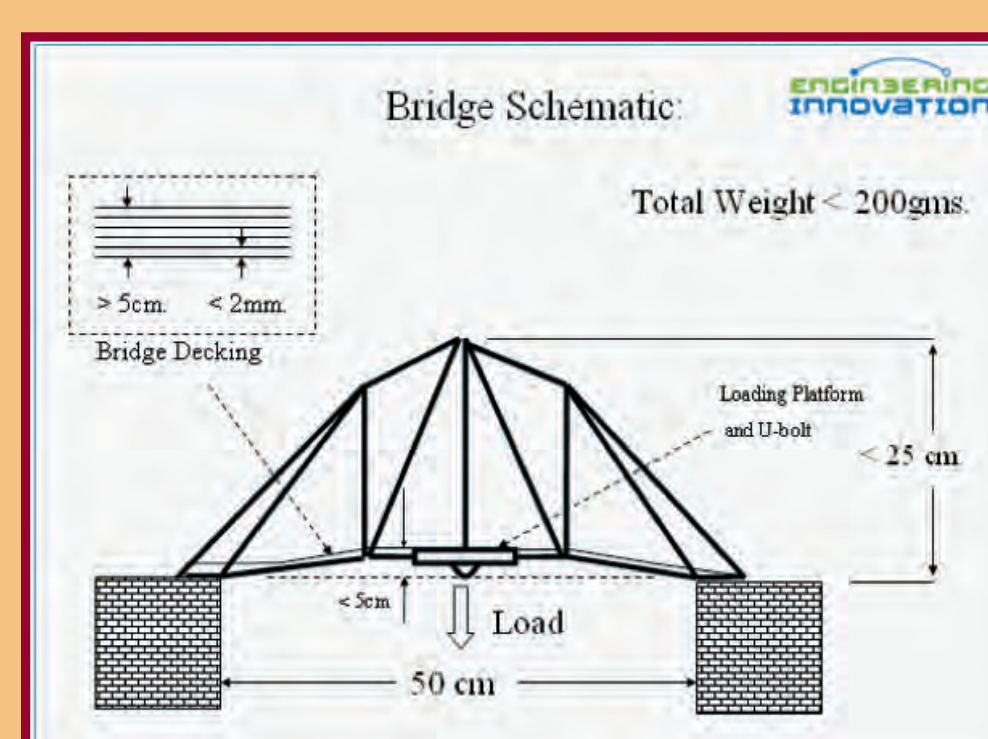
- The course introduced students, particularly women and minority students, to a career of engineering / technology.
- The majority of students came from Cal Lutheran's Upward Bound program, which was a residential program on CSUCI's campus.
- Other students came from our Ventura County high schools.
- Heather Williams from Foothill High School had the highest grade of the entire program.

Students learned through hands-on activities:



- Designed and built a better mousetrap.
- Measured height of Bell Tower remotely.
- Designed digital circuit to control a robot.
- Distilled ethanol.
- Tested the material properties of spaghetti.

- Responded to a Request for Proposals for a new medical device.



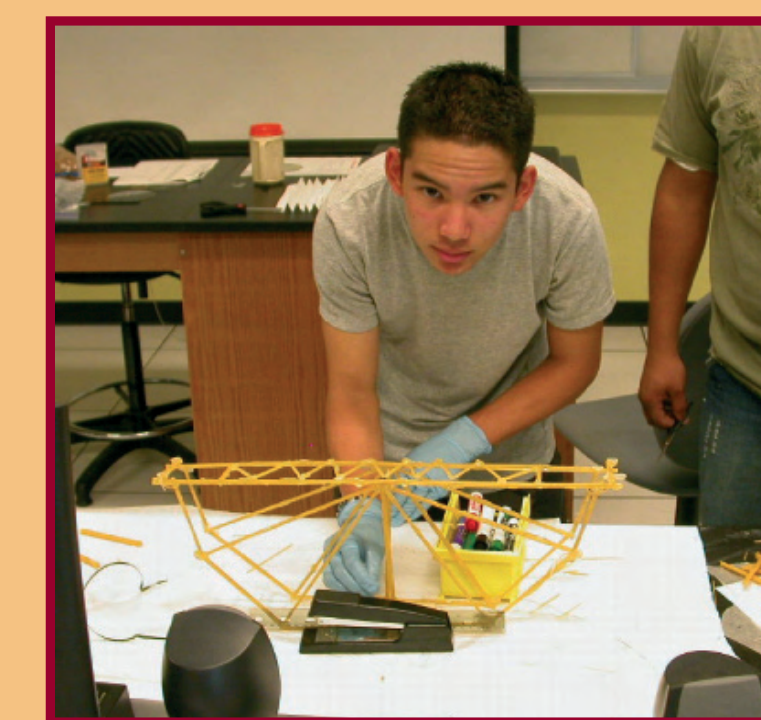
The students ended the course testing their spaghetti & epoxy bridges



President Richard Rush encouraged students to pursue their dreams.



Local Professional Engineers talked about possible career paths in Ventura County.



Students testing and displaying their bridge designs.

- This was a prestigious program for quality students and it is proposed to be part of a continuing partnership with Johns Hopkins University.
- The course is closely aligned with our University mission and ties well into our academic plan to offer an Applied Physics program at CSUCI starting 2008.
- The summer program provides high school students the opportunity to experience college life at CSUCI.