

OUR GOAL

Champs is a summer academy of learning for girls and boys entering middle school. The focus is on mathematics and science as it relates to college and careers. The purpose of the program is to empower girls and boys entering middle school with:

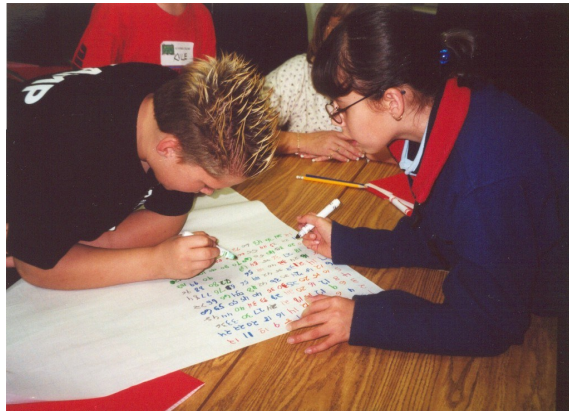
- Knowledge about mathematics,
- Knowledge about science,
- Knowledge about community service,
- Knowledge about mentoring and supporting one another.
- Knowledge about preparation for college and success in the work-force

CHAMPS
is sponsored by:

**The ALPHA Center
Chaffey College**



Additional information about CHAMPS is available on the ALPHA Center website at www.alphacenter.ucr.edu



FOR MORE INFORMATION CONTACT:

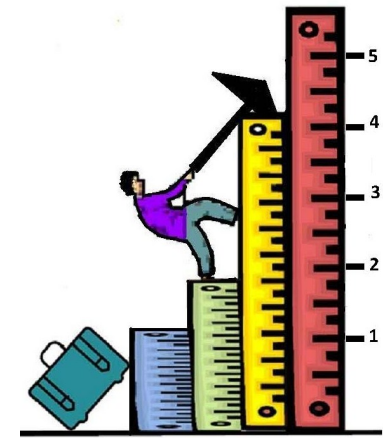
Linda Braatz Brown
Director Special Programs
951-827-2963
lindabb@ucr.edu

or
Jana Bernard
Administrative Assistant III
951-827-2961
janab@ucr.edu

The ALPHA Center
Dr. Pamela Clute, Assistant Vice Provost
Academic Partnership
University of California, Riverside

CHAMPS

Climbing Higher with the Academy for Mathematics + Science



Rancho Cucamonga
July 18-22, 2011

ALPHA Center
Academy of Learning through
Partnerships for Higher Achievement
University of California, Riverside

Climbing Higher with the Academy for Mathematics + Science

PROGRAM

CHAMPS provides a stimulating environment so that mathematics and science is seen as interesting, relevant and related to careers and the real world. As a result of the foundation provided by this academy, middle school students will be motivated to take more mathematics and science courses and consider careers which are mathematically or scientifically based. Positive attitudes will be nurtured as middle school participants learn about community service and receive mentoring from individuals who are successful in education, community and business endeavors.

Program evaluation includes a pre- and post- content knowledge and attitudinal survey to measure student progress in mathematical and scientific capabilities and attitudes.



PARTICIPANTS

Participants in CHAMPS include boys and girls entering grades 6th, 7th, and 8th grade. CHAMPS involvement includes parents/guardians, middle school mathematics/science teachers, UCR faculty/students, and leaders from community and business.

Students apply to the program. Parents/guardians of selected participants must sign consent forms and agree to provide transportation to and from the program site. The program is free to participants.



CURRICULUM

- Quantitative literacy,
- Mathematics and science for career success,
- Critical thinking and problem solving strategies,
- Role of mathematics and science in business,
- Community service awareness,
- Importance of role models,
- Mentoring techniques,
- Diverse history of successful inventors, business owners and leaders.

Students receive materials and books which promote hands-on, inquiry based learning. Information about our sponsors and the University of California, Riverside is discussed. Appropriate memorabilia is provided. Attendance for the entire project is required. Students and their parents participate in an awards ceremony at the conclusion of the program.

