

OUR GOAL

Project GEMS is a summer academy of learning for girls in mathematics—especially mathematics as it relates to college. The purpose is to empower girls with knowledge:

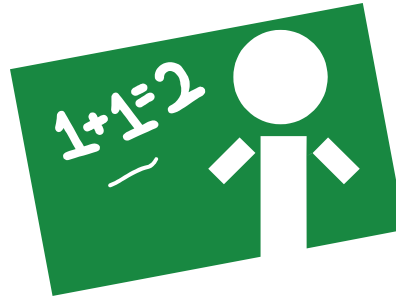
- Knowledge about mathematics,
- Knowledge about community service and giving back to society,
- Knowledge about successful women and the importance of mentoring.



SPONSORS

Helping students grow to their full potential:

- Athena of the Inland Valleys
- Anderson Foundation
- Irvine Foundation



FOR MORE INFORMATION CONTACT:

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



Girls Excelling in Mathematics with Success



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

Girls Excelling in Mathematics with Success

PROGRAM

Project GEMS provides a stimulating environment so that mathematics is seen as interesting, relevant and related to life. As a result of the foundation provided by this academy, girls are motivated to take more mathematics courses and consider careers which are mathematically based. Positive attitudes are nurtured as girls learn about community service and are exposed to successful women role models.

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



PARTICIPANTS

Middle School (6th, 7th, 8th grade) girls and their parents/guardians are involved along with teachers, UCR faculty, UCR students and community leaders.

Parents/guardians of these participants must sign consent forms and agree to provide transportation to the program site.



CURRICULUM

- Quantitative literacy,
- Algebra and geometry for career success,
- Critical thinking and problem solving strategies,
- Community service awareness,
- Importance of role models,
- Mentoring techniques,
- History of successful women inventors, scientists, mathematicians and leaders from the past and present.

Students are provided with materials, books and supplies which will enhance their learning and retaining of mathematics ideas. Information about college will be discussed and the appropriate memorabilia will be provided (tote bags, t-shirts, necklaces, etc.). There is no cost for this program, but participants must agree to attend all five days. A UCR academic certificate is presented at an awards ceremony the last day of the program.

