APPLICATION PROCEDURE

ELIGIBILITY REQUIREMENTS:

Females who have completed Algebra II by the end of this semester and who are entering the 3rd or 4th year of high school.

Fill out the application form provided and send it together with the following to the address indicated below.

YOUR LETTER OF APPLICATION WITH A ONE-PAGE ESSAY ON WHY YOU WOULD LIKE TO PARTICIPATE
YOUR GRADE REPORT
A LETTER OF RECOMMENDATION FROM ONE OF YOUR MATHEMATICS TEACHERS
YOUR SIGNED PARENTAL FORM
Please mail or FAX the above application materials to

Rita Glynn
Mathematics Grants
CSU Stanislaus
801 W Monte Vista Ave
Turlock, CA 95382
FAX: 209-667-3848
Phone: 209-667-3780
Email: rglynn@csustan.edu
http://www.csustan.edu/math/proj1.htm

Acceptance Notification will be sent within 2 weeks of application.

PROGRAM DIRECTOR

Dr. Viji Sundar
Professor of Mathematics
vsundar@csustan.edu

Dr. Sundar has been a member of the California State University Stanislaus faculty for 27 years and has sustained a passion and energy to touch more lives by placing special attention on helping students who are under-represented in the science and academic fields. In 2005, she received the prestigious CSU statewide WANG Award for the Division of Mathematics Science; in 2003 the CSU, Stanislaus Outstanding Community Service Professor Award; and in 1993-94 the University's Outstanding Professor Award. Dr. Sundar is recognized statewide and nationally and in 1998 she received the prestigious Progress in Equity (PIE) Award from the American Association of University Women Legal Advocacy Fund.

PREPARING WOMEN FOR MATHEMATICAL MODELING

Mathematical Association of America
Tensor Foundation Academy
For High School Girls

July 11 - 21, 2005
10 am – 2 pm

CALIFORNIA STATE UNIVERSITY STANISLAUS
ACADEMY ANNOUNCEMENT

WHAT?
The Department of Mathematics at CSU Stanislaus will host an Academy on modeling real world problems with mathematics.

FOR WHOM?
This is a program for young women who are about to enter their 3rd or 4th year of high school and have completed mathematics courses up through Algebra II. It is not a remediation program.

WHEN?
The Academy sessions will be held July 11–21, 2005, Monday through Thursday, 10 am – 2 pm, with follow-up sessions in October & November.

WHERE?
The sessions will be held on the campus of CSU Stanislaus in Turlock, except for a field trip on one day to Monterey.

WHY?
Our goal is to open a door through which the young women in our group will see mathematics and its applications as the exciting field that it is; a field that is evolving before our very eyes.

SPECIAL BONUSES

STIPENDS AND SHIRTS
You will receive a special workshop shirt and bag at the start. Those who complete the program will each receive a stipend of $100

AWARDS
The program will culminate with your group participation in the COMAP HiMCM (Consortium for Mathematics and Its Applications High School Mathematics Contest in Modeling) in November.

www.comap.com/highschool/

All groups that compete will receive awards at a ceremony in January 2006 after the results have been announced.

MONTEREY AQUARIUM
We will have a field trip to the Monterey Aquarium during one of our sessions in July.

WHAT YOU WILL DO AT THE ACADEMY

Each day will start with “recreational” mathematics. Then, you will experience mathematical modeling with the assistance of spreadsheets. You will work together in groups to solve problems such as:

- how a drug dissipates in a person’s system
- how a disease spreads throughout a population
- the month to month results in paying off loans or building annuities
- the effects of intervention on a species that is headed for extinction
- the interaction between waters in lakes as pollution spreads.

You will have the opportunity to hear special speakers talk about mathematical modeling.

PROGRAM CO-DIRECTOR

Marie Vanisko
Visiting Lecturer in Mathematics

mvanisko@csustan.edu

Mrs. Vanisko is in her third year of teaching mathematics at California State University, Stanislaus. Prior to this, she taught mathematics for 31 years at Carroll College in Montana and was a visiting professor in 2002 in the Department of Mathematical Sciences at the U S Military Academy at West Point. On the national front, Mrs. Vanisko serves on the Board of Advisors for the COMAP Undergraduate Mathematical Contest in Modeling and on the College Board SAT Mathematics Subject Tests.