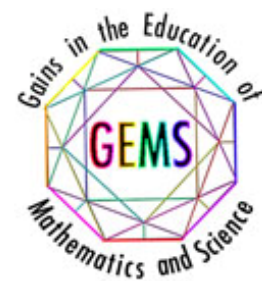




Army Education Outreach Program



GEMS is part of the Army Educational Outreach Program (AEOP) which consists of Army-sponsored research, education, competitions, internships, and practical experiences designed to engage and guide students and teachers. GEMS stands for Gains in the Education of Mathematics and Science. The GEMS program offers students the opportunity to explore current and new interests in science, engineering and math with unique hands-on laboratory experiences. The Army Research Laboratory (ARL) located on the main post at White Sands Missile Range is partnering with High Schools in the El Paso area to bring the GEMS program to all motivated students. This summer a total of thirty-two students will be selected to participate in our GEMS program based upon the merits of their application; in particular the quality of the essay they will write. The essay will consist of a one page write up describing why you think you belong in this program.

In the **2009 GEMS Program**, students will attend a one week series of learning modules taught by ARL scientists and engineers. Each module will allow each student the opportunity to work with a variety of different hands-on activities and topics; such as robotics, electronic design, meteorological instrumentation, lasers and optics, and many more. The 32 students will be divided into teams of 8 for better hands-on opportunity. Each team will also have a public school teacher assigned to them who will serve as a facilitator to the scientist or engineer, and will accompany the students throughout the week.

Details:

- GEMS Program Dates: July 27-31, 2009.
- Students having just completed Grades 9-12 will be considered for participation.
- Registration will close May 1st. Notification of acceptance will be made by 29 May 2009.
- Program hours are from 8:00 a.m. until approximately 4:30 p.m. daily.
- Free bus transportation to/from WSMR will be provided. The El Paso bus drop-off/pick-up point will be the east side of the Wal-Mart parking lot at 4530 Woodrow Bean Transmountain Drive. The bus will leave Wal-Mart at 7:15 a.m. and return at 5:15 p.m. Students are responsible for their own transportation to/from the Wal-Mart's parking lot.
- Lunch will be provided at no cost to the students each day. Students should have a minimal amount of spending money for vending machine snacks.
- Along with the lab modules, several fun activities are being planned (bowling, swimming, etc.)
- Students will receive a \$100 stipend for their participation in the program. The stipends will be mailed approximately one month after class completion. To receive the stipend the student must:
 - ✓ Attend all five days of the GEMS Program (no exception)
 - ✓ Participate in each of the learning modules
 - ✓ Show an enthusiastic attitude throughout the week

More information about the GEMS Program is available on-line at:

<http://www.usaeop.com/programs/GEMS/>

Student applications for the program are available (and must be submitted) on-line at: *

<https://usaeop.com/Application/student1.aspx>

* Be sure to select the **ARL-WSMR GEMS** Location when registering on-line



ARL Scientists demonstrate weather instruments to a student group

ARL/WSMR Points of Contact:

Mr. Chris Rodriguez
575-678-0979 (office)
crodrigu@arl.army.mil

Mr. Terry Jameson
575-678-3924 (office)
tjameson@arl.army.mil

Mr. Tom Maxwell
575-678-5952 (office)
tmaxwell@arl.army.mil