

2013 Programs & Dates

Physical Science & Forensics

Training: June 3-7

Program: June 10-14

June 17-21

June 24-28

Robotics

Training: July 8-12

Program: July 15-19

July 22-26

Other GEMS program locations

AMRDEC: <http://www.redstone.army.mil/amrdec/>
Huntsville, Alabama

USAISR: <http://www.usaisr.amedd.army.mil>
Fort Sam Houston, Texas

USAMRICD: <http://chemdef.apgea.army.mil>
Aberdeen Proving Ground, Maryland

USAMRIID: <http://www.usamriid.army.mil>
*Fort Detrick, Maryland (GEMS programs held in
Frederick and Hagerstown, Maryland)*

USARIEM: <http://www.usariem.army.mil>
Natick, Massachusetts

WRAIR: <http://www.wrair.army.mil>
Silver Spring, Maryland

For Additional Information Contact:

E-mail: ssc@amedd.army.mil

Phone: 334-255-6906

Fax: 334-255-6983

Address:

USAARL, Science Information Center
ATTN: GEMS Program Coordinator
P.O. Box 620577
Fort Rucker, AL 36362



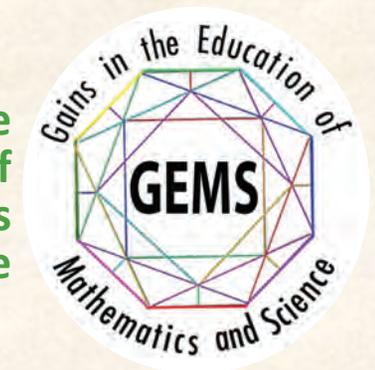
U.S. Army Aeromedical Research Laboratory



GEMS

NEAR-PEER MENTOR

Gains in the
Education of
Mathematics
and Science



STEM SUMMER INTERNSHIP OPPORTUNITY



About GEMS

GEMS is a summer science, technology, engineering, and math (STEM) education program that enables participants (5th-8th graders) to engage in fun, hands-on experiments.

The program is organized such that college-aged students, called near-peer mentors, teach the GEMS experiments and serve as role models for the GEMS participants.

Near-peer mentors complete extensive training during which they learn how to conduct and teach the experiments.

Near-peer mentors act as expert resources concerning college life and career pathways.

Responsibilities

- Understand and learn experiment protocols
- Prepare laboratory materials for the experiments
- Guide students through course material
- Implement safety procedures
- Engage and supervise participants
- Act as a role model and mentor for the GEMS participants
- Create a lesson plan related to the 2013 GEMS program
- Complete other assigned tasks
- Maintain ethical behavior at all times



Benefits

- Near-peer mentors network with Department of Defense scientists, engineers, and medical professionals from USAARL.
- Near-peer mentors teach challenging science, math, and engineering concepts to positively influence America's future.
- Through selection into this competitive STEM program, near-peer mentors enhance their ability to pursue possible STEM career pathways.

Highlights

Basic Eligibility Requirements

- Must be a U.S. Citizen
- Must be college-aged (undergraduate or graduate), currently enrolled in a STEM or education field of study
- Must be available June 3-28 & July 8-26, 2013

Length of Program

- Near-peer mentors meet Monday-Friday, 8:00AM-4:00PM. GEMS participants meet Monday-Friday, 8:30AM-3:30PM.

Curriculum

- The experiments focus on areas such as physical science, engineering, robotics, math, biomedical sciences, chemistry, physics, and biology.

Leadership

- GEMS Program Coordinator
- Resource Teacher
- Near-Peer Mentors

How to Apply

- USAARL will begin accepting applications at the beginning of 2013.
- For more information, visit www.usaarl.army.mil/usaarl/pages/gemsprog.htm

Other Information

- College students are selected, via a competitive application and interview process, for their technical expertise, attitude, and teaching ability.
- Near-peer mentors receive an educational stipend at the conclusion of the internship.