

Quotes from Former GEMS Participants

"GEMS stimulates my mind!" - 7th grader

"Learning how to make radio speakers was cool!" - 6th grader

"The GEMS experiments are fun! We don't get to do stuff like this in school." - 8th grader

"Forensics was my favorite!" - 6th grader

"Because of GEMS, I want to study chemistry in college." - 8th grader

"I'm definitely coming back next year!" - 5th grader



For Additional Information Contact:

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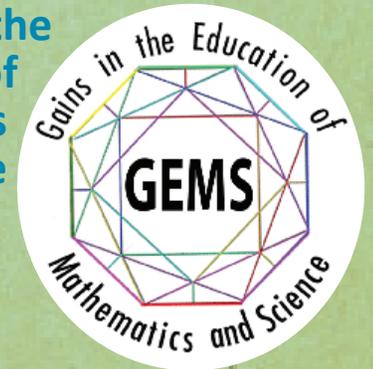
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U.S. Army Aeromedical Research Laboratory

GEMS

Gains in the Education of Mathematics and Science



Other GEMS Locations

- AMRDEC – Huntsville, AL
- USAISR – San Antonio, TX
- USARIEM – Natick, MA
- USAMRIID – Fort Detrick, MD
- WRAIR – Silver Spring, MD
- USAMRICD – APG, MD
- USARL – APG, MD



GEMS is a summer science, technology, engineering, and math educational program that enables participants to engage in fun, hands-on experiments.



Highlights

Basic Eligibility Requirements

- Must be a U.S. Citizen
- Must be in 5th-8th grade during the 2013-2014 school year

Goal

- To broaden students' interest in science, technology, engineering, and math, and to inspire students to consider careers in these fields.

Length of Program

- The program meets Monday-Friday, 8:30AM-3:30PM.

Curriculum

- The program is based on a multidisciplinary educational curriculum and is focused on age- and grade-appropriate, hands-on activities in areas such as physical science, engineering, robotics, math, biomedical sciences, chemistry, and biology.

Leadership

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

How to Apply

- USAARL will begin accepting applications at the beginning of 2014.
- For more information, visit www.usaarl.army.mil/usaarl/pages/gemsprog.htm

USAARL GEMS Programs

5th-6th graders Neuroscience GEMS

Students explore the five senses (hearing, sight, taste, smell, and touch) to help them learn more about the brain and neurological process.

Physical Science & Forensics GEMS

Students investigate problem solving, estimation, water properties, engineering, physics/forces of motion, and forensics techniques.

7th-8th graders Biochemistry GEMS

Students conduct science and math experiments focused primarily on chemistry, biology, and biochemistry.

Robotics GEMS

Students build and program a robot to maneuver and conquer different tasks, like following a line, performing a search and rescue mission, and dancing.



2014 Programs & Dates

Neuroscience

July 7-11
July 14-18
July 21-25
July 28-August 1

Biochemistry

June 2-6
June 9-13
June 16-20