

# GEMS TEACHERS

GEMS (GAINS IN THE EDUCATION OF MATHEMATICS AND SCIENCE) IS A SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) EDUCATION PROGRAM THAT ENGAGES SCHOOL-AGE STUDENTS IN HANDS-ON EXPERIMENTS AND BROADENS THEIR KNOWLEDGE ABOUT STEM CAREERS. TEACHERS OVERSEE THE GEMS NEAR-PEER MENTORS, GUIDE NEAR-PEER MENTORS IN TEACHING STEM EXPERIMENTS TO GEMS STUDENTS, PROVIDE MENTORSHIP TO NEAR-PEER MENTORS, ENCOURAGE GEMS STUDENTS TO PURSUE STEM-RELATED CAREERS, AND ENHANCE HIS/HER OWN STEM-RELATED TEACHING SKILLS.

## WHO CAN APPLY TO BE A GEMS TEACHER?

ELEMENTARY, JUNIOR HIGH, AND HIGH SCHOOL TEACHERS WITH EXPERIENCE TEACHING STEM-RELATED CONCEPTS AND LESSONS

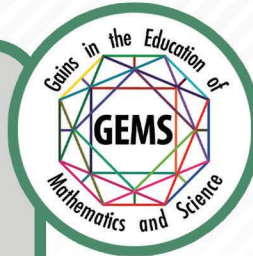
## WHEN IS THE TEACHER PROGRAM?

MAY 28, 2024 – JULY 15, 2024  
MONDAY – FRIDAY  
7:30AM – 4:30PM

## WHAT ARE THE TEACHER APPLICATION REQUIREMENTS?

A COMPLETED ONLINE APPLICATION AND RESUMÉ.

**APPLICATION DEADLINE:  
JANUARY 15, 2024**



## LOADING AWESOMENESS



## TOPICS LED BY TEACHERS IN 2024:



**Planetary (4<sup>th</sup> & 5<sup>th</sup> Graders)**  
Investigation of geology, oceanography, and meteorology.



**Biochemistry (8<sup>th</sup> & 9<sup>th</sup> Graders)**  
Exploration of chemical processes and reactions occurring in living things and experimentation in chemistry and biology.



**Neuroscience (6<sup>th</sup> & 7<sup>th</sup> Graders)**  
Investigate the anatomy, function and development of the central system and the brain.



**Agriscience (10<sup>th</sup> & 11<sup>th</sup> Graders)**  
Examination of the application of science to agriculture and develop an understanding of human relations, communication, and the importance of agriculture to the economy.

**APPLICATION LINK: [HTTPS://GO.EDC.ORG/GEMSFTNOVOSEL](https://go.edc.org/gemsftnovosel)**

**QUESTIONS?** *Contact the* USAARL GEMS Coordinator @ [USARMY-USAARL-STEM@HEALTH.MIL](mailto:USARMY-USAARL-STEM@HEALTH.MIL)