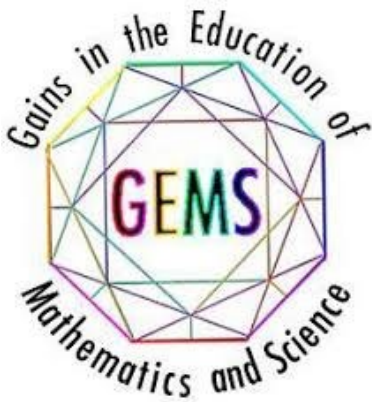


Exploring Weather, Climate, and the Environment



GAINS IN THE EDUCATION OF MATHEMATICS AND SCIENCE is a one-week summer program for children in grades 7 & 8 that offers students hands-on learning experiences by classroom teachers in collaboration with Army scientists and engineers!

Cold Regions Research and Engineering Laboratory (CRREL)

Hanover, NH

June 26 – 30, 2023

08:30 am to 4:30 pm

Students receive a stipend!

Applications due by 30 March 2023

Building an Automated Weather Station (AWS)

Students will build their own AWS kit and program it simply to collect and store data.

Discover energy through wind and solar power

Students will build a mini-wind turbine and solar panel cars to generate power.

Develop Microbial Fuel Cells

Learn how power and energy come from the use of soil organisms,

Learn about water quality

Leaves in stream beds are an important source of organic matter and a great habitat for aquatic insects.

Discover an underground treasure hunt using GPR

Ground-penetrating Radar (GPR) is nondestructive geophysical technique used to image the subsurface of the ground.



Application link and more information:

<https://web.cvent.com/event/dc7b911f-f4b4-4f1e-bbf4-502824f1c744/summary>

Questions? Contact the CRREL GEMS Coordinator

Charlene.M.Brown@usace.army.mil 603-646-4137

