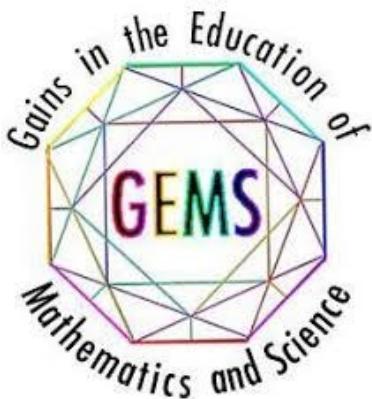


# Exploring Weather, Climate, and the Environment



**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](mailto:Charlene.M.Brown@usace.army.mil) 603-646-4137

