

GetWET STEM Experience



Six teams fan out with well-equipped backpacks at the GetWET observatory to study different water quality and quantity problems. The protocols include: dissolved oxygen, electrical conductivity, water transparency, water table mapping, stream velocity and discharge, and soils and sediments. Each team collects and analyses data and communicates their conclusions while in the field.

Big Concept: water quality and quantity, groundwater - surface water interactions

Scientific Inquiry Skills:

- Use of field equipment
- Data collection & analysis
- Spatial analysis
- Use of field notebook

Grade Levels:

9th grade and up

Number of Backpacks per Set: 6

Student Group Size: 4-5

Time Required: 60-90 minutes

Web page:

<https://www.cns-eoc.colostate.edu/getwet/>

Funding: National Science Foundation

These kits are used for GetWET field trips, SciTrek Summer Camp and teacher workshops.



College of Natural Sciences
Education & Outreach Center



Colorado
State
University

NS Education & Outreach Center Mission Statement

The Natural Sciences Education & Outreach Center is an incubator for innovation in STEM education. We serve both CSU and 4th-12th grade students and faculty through a variety of programs. Many of our programs focus on authentic scientific research experiences that aim to promote enthusiasm for the STEM disciplines, especially for students traditionally underrepresented in these fields. Particular emphasis is on finding new ways to promote scientific creativity and innovation, attributes essential for global challenges in the 21st century.

Learn more:

<https://www.cns-eoc.colostate.edu/>

GetWET Field Trips and Groundwater Models

The GetWET Observatory is the only outdoor hands-on water education facility in the Rocky Mountain Region. Located on CSU property along Spring Creek is a groundwater well field that allows students to study the interaction between the creek and the groundwater. GetWET hosts approximately 800 students per year from grade school through grad school. Students study water quality and quantity issues and how they relate to use, conservation, and flooding. Six backpacks of equipment are used in the field and a classroom set of groundwater models is available for loan.

Learn more:

<https://www.cns-eoc.colostate.edu/getwet/>

STEM Lending Library

The NSEOC has a variety of STEM materials and kits available for week-long loans by classroom and informal educators. Please visit the following link to see which kits are currently available.

Learn more:

<https://www.cns-eoc.colostate.edu/stem-kits/>

Discovery Begins Here