

Vital Ice STEM Kit



Looking for ways to get real scientific data into the hands of your students? Our Vital Ice STEM Kit has model ice cores that let your students explore real data collected at Denali National Park. The kits also covers permafrost in a unique new way.

Big Concepts: permafrost and ice cores from glaciers

Place based and culturally relevant

Scientific Inquiry Skills:

- Constructing physical models
- Graphing
- Data analysis
- Use of science notebooks

Grade Levels: 6th grade and up

Number of Kits per Set: 15

Student Group Size: 2

Time Required: 90-120 minutes

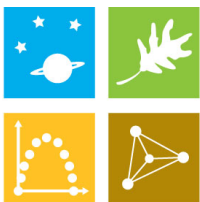
Web page:

<https://www.cns-eoc.colostate.edu/national-park-service-partnership/vital-ice-stem-kit/>

Funding: National Park Service

Faculty Collaborator: None

These kits are available for loan from the EOC to schools in Colorado and from Denali and Kenai Fjords National Parks to schools in Alaska.



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/>

National Park Service Partnership

Since 2011, the EOC has been collaborating with the National Park Service on the development of pre-visit, syn-visit, and post-visit hands-on STEM activities for students grades 4th - 12th. The goal is to create place-based and culturally relevant STEM experiences that help students understand the science behind critical regional issues.

Learn more:

<https://www.cns-eoc.colostate.edu/national-park-service-partnership/>

Discovery Begins Here