



EARTH CONNECTION CAMP

Relationships and Resilience through STEM and Culture

OPHIR CANYON EDUCATION CENTER

June 21, 2023

9:30 am – 3:00 pm

Relationships and Resilience through STEM and Culture

Immersing STEMs into Native Culture

CAMP HIGHLIGHTS

Earth Connections Camp is an outdoor classroom that inspires American Indian youth (K-12) to connect with their natural and cultural heritage, as well as **S**cience, **T**echnology, **E**ngineering, and **M**ath (**STEM**) career paths. Students learn about natural resources through sessions on water resource science, units and measurements from 1d to 3d, combined with cultural traditions taught by Tribal and agency experts.

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Wendover and Ibapah Students contact Charlene



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STUDENTS WILL:

- Learn how American Indian youth can live in two worlds = intertwining western science with traditional-cultural wisdom
- Work with American Indians STEM experts
- Work with American Indian and non-American Indian role models and mentors
- Prepare to be "college career ready"
- Be introduced to educational resources and diversity programs

STUDENTS WILL EXPERIENCE **STEMs** IN MOTION

- DOI BOR – Engineering
- DOI BOR Water Resources – Building Dams
- USDA NRCS – Geology
- BLM – Fire Conservation
- NHMU – Nature Walk
- Tooele Education Foundation – Rock Climbing

Sessions will be visual, hands-on, participatory, and engaging.

THE CAMP WILL IMMERSE **STEMs** IN OUR NATIVE CULTURE

- Interconnect STEM and Traditional Ecological Knowledge (Tradition/Culture/Heritage)
- Multiple Tribal representations
- Traditional – Culturalist on site working with STEM instructor
- Support a Tribal identity from American Indian scientists/instructors
- Ethnobotany – medicinal and ceremonial use of plant



PARTNERS & SPONSORS

- Utah State Board of Education
- U.S. Department of the Interior (DOI)
 - o Bureau of Land Management (BLM)
 - o Bureau of Reclamation (BOR)
- U.S. Department of Agriculture
 - o Natural Resources Conservation Service (NRCS)
 - o Forest Service
- University of Utah (UU)
 - o Natural History Museum of Utah
- Tooele Education Foundation
- Tooele County School District
- Confederated Tribes of the Goshute Reservation
- Skull Valley Band of the Goshute Indians
- The Safety Consortium