



EARTH CONNECTION CAMP

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**THANKSGIVING POINT and
RED BUTTE GARDEN | JUNE 27-28, 2017**

**Connecting Cultures, Bridging Worlds:
Immersing **STEMs** into **Native Culture****

CAMP HIGHLIGHTS

Earth Connections Camp is an outdoor classroom that inspires American Indian youth (K-8) 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 astronomy, water resource science, mechanical engineering, meteorology, air quality and medical sciences, combined with cultural traditions taught by tribal and agency experts and American Indian college students.

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STUDENTS WILL:

- Learn how American Indian youth can live in two worlds = intertwining western science with traditional-cultural wisdom
- Meet American Indians who are STEM experts
- Work with American Indian and non-American Indian role models and mentors
- Learn what it means to be “college career ready”
- Be introduced to educational resources and diversity programs

STUDENTS WILL EXPERIENCE **STEMs** IN MOTION

- Utah Division of Air Quality (Air Quality/Meteorology)
 - ASPIRE - University of Utah Astronomy (Physic/Astronomy)
 - UDWR / NRCS / BOR Water Resources (1-3d Bathymetry / Dam Building / Energy)
 - Medical Sciences – NARI Medical Science
- 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 representation
- Traditional – Culturalist on site working with STEM instructor
- Support a tribal identity from American Indian scientist / Instructors
- Commercial Tobacco Prevention / Ceremonial Tobacco

PARTNERS & SPONSORS

- Utah State Board of Education
- Urban Indian Center of Salt Lake
- Nebo School District
- Red Butte Gardens
- U.S. Department of Interior
 - o Bureau of Land Management
 - o Bureau of Reclamation
- U.S. Department of Agriculture
 - o Natural Resources Conservation Service
 - o Forest Service
- Utah Division of Water Resources
- Utah Division of Air Quality
- University of Utah Astronomy
- Astrophysics Science Project Integrating Research and Education (ASPIRE)
- UU Native American Research Internship (NARI)

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