

OCTOBER 2019 - Tooele School District - Learning Opportunity
Wednesdays and Thursdays, 5 PM-7:15 PM.

Earth Science Outside: Tooele County Geology and Heritage
for up to 8 relicensure points- MIDAS 47128

SCHEDULE and LOCATIONS on the next page (scroll down).

More info: See "events" at www.earthscienceeducation.org

All sessions outside (unless bad weather) at different places in Tooele County. (See reverse side for session info.)

EARTH SYSTEMS at work! Relate the spectacular geology of Tooele County to the newly adopted **K12 Utah Science Standards**. Recognize interactions of Earth's systems, specifically, erosion / weathering.... and tectonics.

Taught by Genevieve Atwood, PhD, former State Geologist of Utah, with volunteers of Earth Science Education.

FOR TEACHERS - relicensure points via Tooele School District. Earn TWO points per session to a maximum of eight. Just show up! No homework. Generally one in-class assignment per session.

And Open to responsible public meaning, adults interested in Tooele's geology. Children under 18 only when supervised by an adult other than the teacher-participant. **Safety first! Wear sensible clothes and shoes. Meeting outside involves inherent risks including weather, footing, insects, etc. Participants must read and sign waiver.**



OBJECTIVES:

- * Take pride and JOY in Tooele County's geology! There's everything to see.
- * Evidence of Earth's systems surrounds us. We'll study interactions of the "geosphere" (solid earth) and hydrosphere (water earth). Think: erosion, Lake Bonneville, canyons, floods, and why Great Salt Lake is loaded with chemicals.
- * Realize that Tooele County's mining heritage depended on interactions of the geosphere and hydrosphere.
- * Tectonics rules! and erosion sculpts.

IMPORTANT!

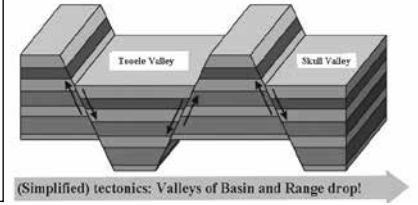
KEEP checking www.earthscienceeducation.org for announcements such as specifics on location and if bad weather.
First session Wednesday October 2, 5 PM, Tooele School District Headquarters, 92 S. Lodestone Way, Tooele 84074

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92 S. Lodestone Way, Tooele, UT 84074

Earth systems: Tectonics and erosion shape Deseret Peak to look impressive.

October 3 Thursday - Oquirrh Mtns Mining Museum in Deseret Peak Complex, SR-112.

Tectonics Rules! Tectonics and erosion made the Oquirrh Mountains the US richest ore district.



October 9 Wednesday Stockton Ball Park- east side of Stockton, southern terminus of Silver Ave.

Erosion and deposition: Sand and gravel of the Stockton Bar differ from deposits of nearby Soldier Canyon.

October 10 Thursday Stansbury Island sand dunes and evaporation ponds.

Great Salt Lake is a system. Think tectonics, weathering, erosion, transport, evaporation, deposition and society.



October 16 Wednesday Saddleback Complex - Lake Point 84074 - Trailhead at Sheep Trail off Lakeshore Dr.

Evidence of the Green Ravine fire: interactions all four Earth's systems: geo, hydro, atmo, bio. Bio includes us!

October 17 Thursday Different, longer, format!! Let's hunt fossils. Lakeside Mountains. Meet 3 PM north side, I-80 exit #70 Delle.

Sea shells and corals indicate that Tooele County was once south of the equator and near sea level.

October 23 Wednesday Ophir Canyon. Meet at Highway 73 and Ophir Canyon Rd. Caravan to historic Ophir for geology, warmth and hot chocolate.

Tectonics and erosion: Mountains, canyons and mines of the Oquirrh result from interactions of Earth systems.

October 24 Thursday Grantsville Cemetery 370 W. Main, Grantsville, UT 84029

Grantsville cemetery: the intersection of Earth systems and Tooele County's heritage. Everything affects everything.



AND... Consider: Teacher Trilobite Day, Saturday, October 12 2019
West of Delta, UT. Family fun! MIDAS 42860
More Info: www.earthscienceeducation.org ... events.

