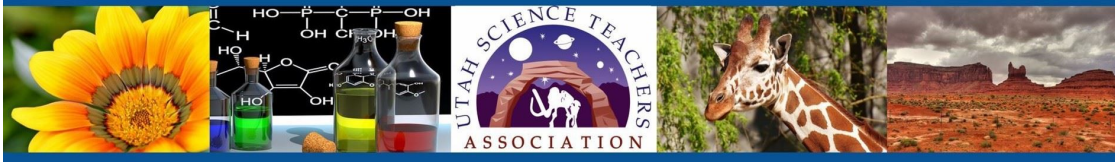


UTSTA NEWSLETTER

UTAH SCIENCE TEACHERS ASSOCIATION



September 2021

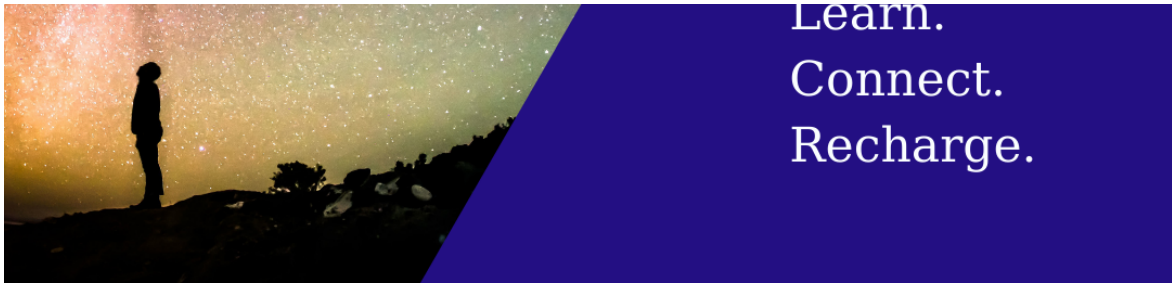
Check out the message from President Michelle Ormond [here!](#)



CELEBRATING SCIENCE!

UtSTA Annual Conference
October 25, 2021
Sign up at www.UtSTA.org





Keynote Speaker: Byron Adams



Byron Adams is a University Professor and Coordinator of Graduate Programs in the Department of Biology at Brigham Young University. He is an evolutionary ecologist with a background in molecular systematics and evolution. When he's not freezing his butt off in Antarctica you can find him having a great time bouncing ideas around with local students and teachers, preferably in one of Utah's many outdoor classrooms. Byron is a huge fan of USTA, and he is totally stoked to be a part of it.



TEACHERS!

Apply for a grant
to attend the
UtSTA
conference!

WE WANT YOU TO

P R E S E N T



U T S T A
C O N F E R E N C E

OCTOBER 25, 2021
APPLY AT [UTSTA.ORG](https://utsta.org)

1/2 OFF CONFERENCE REGISTRATION

UTSTA 2021 Science Teacher/Team Awards

CALLING FOR NOMINATIONS!!

Do you know a great science teacher or
science team?

SEND YOUR NOMINATIONS BEFORE SEPT. 1, 2021

Questions? rbrown@utsta.org/dmonson@utsta.org

<https://forms.gle/4UXN4SkPTMw72Zwp9>

Areas:

**Region Elementary Teacher, 6th
grade, 7th grade, 8th grade, Earth
Science, Physics, Chemistry,
Biology, Rookie Middle School,
Rookie High School, Science
Department, Higher Education.**



Thank you to our sponsors!

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Resorts at Wendover

Natural History
Museum of Utah
Hale Centre Theatre

Discovery Gateway
Sigman Family

Bronze

R&R Bar BQ

Texas Roadhouse

Home School Tools

FOURTH ANNUAL AWARD EL & SEC

The Governor's Office of Energy Educator Award



UTAH GOVERNOR'S OFFICE OF
ENERGY DEVELOPMENT



A collaboration between the Governor's Office
of Energy Development and UtSTA

- How do you focus on Energy in your classroom?
- Tell us about your natural resources activities.
- Do you encourage careers in STEM Energy?
- \$500 award and trophy for one Elementary & one Secondary teacher
- Presented at UtSTA's Fall Conference October 25, 2021
- Must be UtSTA member
- Apply at <https://tinyurl.com/55xaj277>

Application due Sept 15, 2021
apply at utsta.org

Solving Utah Air Quality Issues: BE PART OF THE SOLUTION

DATE: OCT 6 OR NOV 3, 2021
8:00-3:30

LOCATION

JATC North
9301 S Wights Fort Rd
West Jordan, UT 84088

DETAILS

- 7 relicensure points
- Equipment - \$150 value
- Stipend- \$100 toward Substitute OR to teacher if no substitute needed
- \$15 registration fee refunded upon completion of training
- Lunch & snacks

REGISTER

<https://www.breatheutah.org/education/teacher-training>

AUDIENCE

- 5th grade - Matter SEEd 5.2.2
- 6th grade - Molecules, SEEd 6.2.1
- 8th grade - Natural Resources SEEd 8.1.2 & 8.4.1-3
- 9th Earth & Space - Natural Resources SEEd 4.1

BREATHEUTAH.ORG



Lesson Topics

What are Utah's specific air quality issues? Why is polluted air a problem? What is being done to reduce pollution? What can we each do to be part of the solution?



UTAH GOVERNOR'S OFFICE OF
ENERGY DEVELOPMENT

ELEMENTARY TEACHERS! 4-6TH

ENERGY IN THE CLASSROOM

March 15 2022
8:00 - 3:00

84 East 2400 North
North Logan, UT 84123

SEEd Lessons - 3D
\$180 of materials
\$100 stipend for sub
\$30.00 registration
35+ lessons
7 hours relicensure



Register at
<https://utsta.org/page-1813399>

Lessons:
Core Drilling
Patterns in Minerals
Solar Power Challenge
Transporting Oil
Physical Change
Natural Gas: Density

For more information, contact Dawn Monson at dmonson@utsta.org



UTAH GOVERNOR'S OFFICE OF
ENERGY DEVELOPMENT

ELEMENTARY TEACHERS! 4-6TH

ENERGY IN THE CLASSROOM

April 5, 2022
8:00 - 3:00

SUU STEM Center 351 W University Blvd
Cedar City, Ut 84720

SEEd Lessons - 3D
\$180 of materials
\$100 stipend for sub
\$30.00 registration
35+ lessons
7 hours relicensure

Register at
<https://utsta.org/page-1813399>

Lessons:
Core Drilling
Patterns in Minerals
Solar Power Challenge
Transporting Oil
Physical Change
Natural Gas: Density

For more information, contact Dawn Monson at dmonson@utsta.org



UTAH GOVERNOR'S OFFICE OF
ENERGY DEVELOPMENT

SECONDARY TEACHERS! 7-12TH

ENERGY IN THE CLASSROOM

March 16, 2022
8:00 - 3:00

84 East 2400 North
North Logan, Ut 84321

SEEd Lessons - 3D
\$180 of equipment
\$110 stipend for sub
\$30.00 registration
35+ lessons
7 hours reliscensure

Register at
<https://utsta.org/page-1813399>

Lessons:
Transporting Natural Gas
Digging into Renewables
Combustion Process
Peltier Plates
Batteries

For more information, contact Dawn Monson at dmonson@utsta.org



UTAH GOVERNOR'S OFFICE OF
ENERGY DEVELOPMENT

SECONDARY TEACHERS! 7-12TH

ENERGY IN THE CLASSROOM

April 6, 2022
8:00 - 3:00

SUU STEM Center 351 W University Blvd
Cedar City, Ut 84720

SEEd Lessons - 3D
\$180 of equipment
\$110 stipend for sub
\$30.00 registration
35+ lessons
7 hours reliscensure

Register at
<https://utsta.org/page-1813399>

Lessons:
Transporting Natural Gas
Digging into Renewables
Combustion Process
Peltier Plates
Batteries

For more information, contact Dawn Monson at dmonson@utsta.org



SATURDAY, October 9, 2021

Teacher Trilobite Day at U-Dig Trilobite Quarry

Hunt fossils and / or attend workshop.

www.earthscienceeducation.org has abundant details about





lunch, follow-up zoom, lesson plan and Standard ESS.2.4 Develop and use a model (a stratigraphic sandwich) to illustrate how Earth's internal and surface processes operate at different spatial and temporal scales.

For Utah teachers... and families...

COLLECT fossils anytime 9AM to 4PM

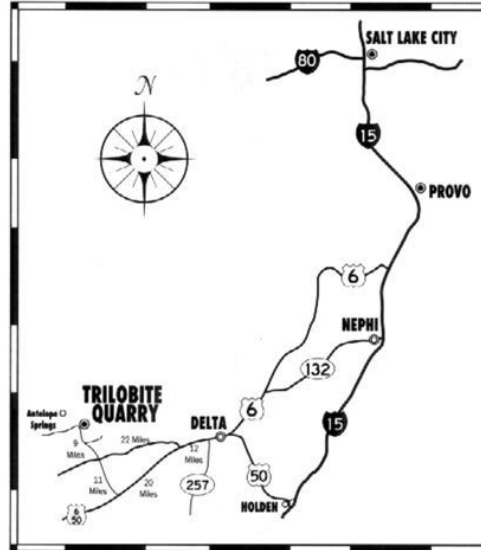
LUNCH noon for all! Build a "stratigraphic" sandwich.

*Family
Fun!!*

**Workshop Noon - 2:30PM
(MIDAS... 42860)**

3-hr relicensure points
Must attend lunch and hands-on sessions
Additional 2 hr if do assignment and zoom.

Led by Genevieve Atwood, former State Geologist of Utah, with geologist-volunteers of Earth Science Education.



U-Dig quarry - is a commercial operation about 50 miles west of Delta, and about 4 hours from Salt Lake (130 miles). U-Dig has discounted prices for four hours of collecting: **\$30+tax** adult for teachers-family-friends, **\$20/** youth, \$ free for under 6. UDig provides hammers and advice. Go to <http://www.u-digfossils.com> for more information.

Prices at UDig have soared. Earth Science Education will compensate teacher participants who attend the lunch, the workshop session, and successfully complete the in-class quiz with \$100 cash, right there. It's still "a deal" for families but not reimbursed.

Coaching... be sensible, prepare for sun, wind, uneven terrain, rocks.
Take home as many trilobites as you find. Teachers' advice: Consider collecting a couple large slabs to weather in your schoolyard or garden. They may expose trilobites in a few years. Joy!

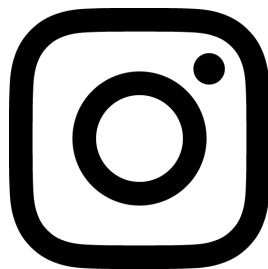
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