October newsletter from your regional representative

October 2021

Select your regional newsletter below

Region 1 | Region 2 | Region 3 | Region 4

Region 5 | Region 6 | Region 7 | Region 8

Region 9 | Region 10

Go here to find out which region you are in

UTAH SCIENCE TEACHERS ASSOCIATION

2021 ANNUAL CONFERENCE

KEYNOTE SPEAKER: BYRON ADAMS

OCTOBER 25, 2021

REGISTER AT WWW.UTSTA.ORG

Why should you attend the UtSTA conference? Listen to Matt Woolley to find out!

UtSTA
Conference

Special Dinner

Presented by UVU

Proceeds go to the Richard Tolman Scholarship fund. UVU will give a short presentation on their resources for teachers

Only $5.00

UTAH VALLEY UVU UNIVERSITY

Add to your conference registration
www.UtSTA.org

UtSTA Presents October 25 in Provo

CELEBRATE SCIENCE

14 STRANDS 4 SESSIONS DEEP

SESSION 1 LIVED EXPERIENCE

~~SESSION 1 LIVED EXPERIENCE~~

SESSION 2 PHENOMENA

SESSION 3 SCIENCE & ENGINEERING PRACTICES

SESSION 4 ENGINEERING DESIGN

Platinum

Micron · Utah Valley University · Sorenson Legacy Foundation · Dominion Energy

Gold

Utah Governor's Office of Energy Development · USSynthetic · STEM Action Center Utah · SAVVAS Learning Company

Silver

Clark Planetarium
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

Online-Endorsement Courses

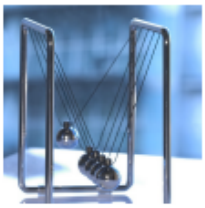
Starts Jan 27, 2022. Register Now

Register @ utsta.org

Geology for Teachers

Zoology for Teachers

Biology for Teachers



Physics 1 for Teachers

Safety Certification

Chemistry 1 for Teachers

Meteorology for Teachers

ALL SCIENCE TEACHERS SEEKING ENDORSEMENTS. THE COURSES START ON JAN 27**TH** IN AN ONLINE SETTING. TEACHERS CAN MAKE TIME IN THE WEEK WHEN IT WORKS FOR THEM. EACH COURSE IS SETUP ON A **12 WEEK** SCHEDULE AND REQUIRE BETWEEN 4-6 HOURS A WEEK. EVERY WEEK INCLUDES FOUR MODULES: CONTENT LEARNING, DISCUSSION, CLASSROOM APPLICATION, AND A WEEKLY WRAP-UP ASSIGNMENT. TOTAL COST IS **$500 FOR UTSTA MEMBERS.** CONTACT YOUR DISTRICT FOR REIMBURSEMENT OF $500.00.

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

-UTAH-

Generously Underwritten by

MARATHON

Intermountain Healthcare

Healing for Life

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

SECONDARY TEACHERS!

ENERGY IN THE CLASSROOM

Apri 5 OR 6, 2022
8:00 - 3:00

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

SEEd Lessons - 3D
$220 of materials
$100 stipend for sub
$30.00 registration
35+ lessons
7 hours reliscensure

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

UTAH SCIENCE TEACHERS

ASSOCIATION

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

Sec 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

ELEMENTARY TEACHERS! 4-6TH

SECONDARY TEACHERS!

ENERGY IN THE CLASSROOM

March 15 OR 16, 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 reliscensure

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

UTAH SCIENCE TEACHERS ASSOCIATION

El Lessons:
Core Drilling
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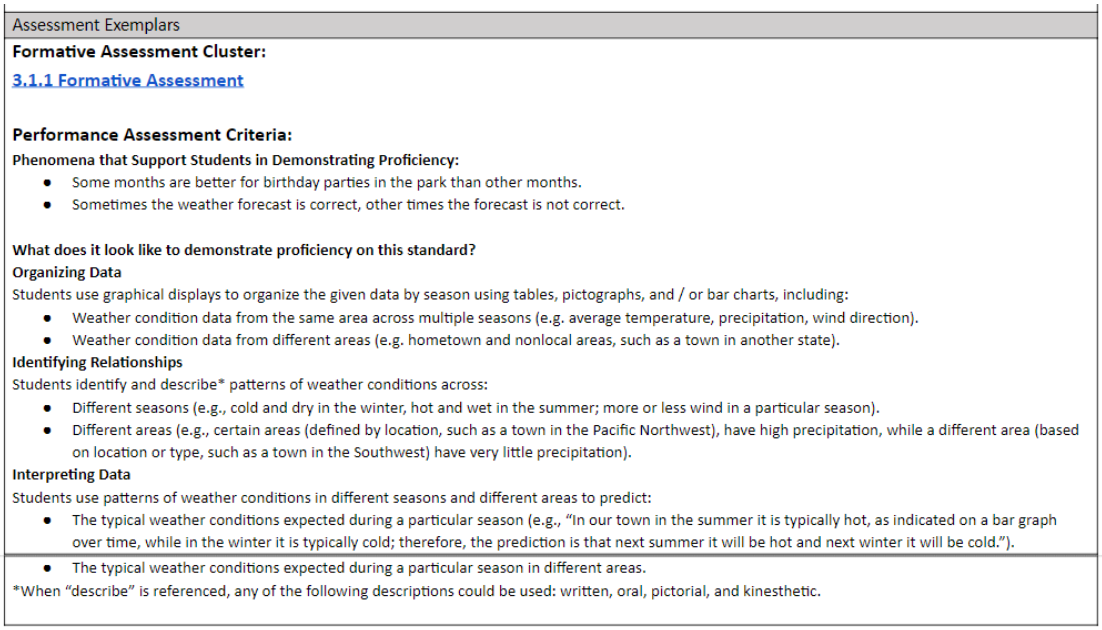

Assessment Exemplars

Formative Assessment Cluster:

3.1.1 Formative Assessment

Performance Assessment Criteria:

Phenomena that Support Students in Demonstrating Proficiency:

- Some months are better for birthday parties in the park than other months.
- Sometimes the weather forecast is correct, other times the forecast is not correct.

What does it look like to demonstrate proficiency on this standard?

Organizing Data

Students use graphical displays to organize the given data by season using tables, pictographs, and / or bar charts, including:

- Weather condition data from the same area across multiple seasons (e.g. average temperature, precipitation, wind direction).
- Weather condition data from different areas (e.g. hometown and nonlocal areas, such as a town in another state).

Identifying Relationships

Students identify and describe* patterns of weather conditions across:

- Different seasons (e.g., cold and dry in the winter, hot and wet in the summer; more or less wind in a particular season).
- Different areas (e.g., certain areas (defined by location, such as a town in the Pacific Northwest), have high precipitation, while a different area (based on location or type, such as a town in the Southwest) have very little precipitation).

Interpreting Data

Students use patterns of weather conditions in different seasons and different areas to predict:

- The typical weather conditions expected during a particular season (e.g., "In our town in the summer it is typically hot, as indicated on a bar graph over time, while in the winter it is typically cold; therefore, the prediction is that next summer it will be hot and next winter it will be cold.").
- The typical weather conditions expected during a particular season in different areas.

*When "describe" is referenced, any of the following descriptions could be used: written, oral, pictorial, and kinesthetic.

Exciting news! Formative assessment clusters are now available for the Science with Engineering Education (SEEd) Standards in Grades K-6! Hooray!!!

These assessments are located within the core guides. See instructions.

1. Access the Core Guide for the grade level.
2. Locate the standard.
3. Scroll down to the section titled Assessment Exemplars within the standard.
4. Click on the link provided to access the assessment exemplar for that standard.

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