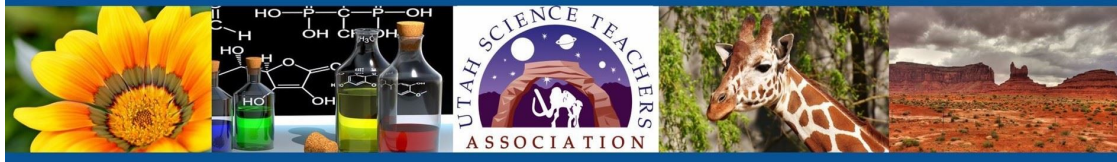


# UTSTA NEWSLETTER

UTAH SCIENCE TEACHERS ASSOCIATION



March 2021

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

## Meet the President

My name is Michelle Ormond and starting this month (February) I will be taking over as the current UtSTA President. By way of introduction, I have been teaching at the high school level for 24 years and have been a member of the UtSTA board since 2016.



## Cultivating SEEd in Diverse Environments

MARCH 4TH, 4:00  
SEEd lessons  
K-8, ESS, Bio, Chem, Phys

REGISTER AT [UTSTA.ORG](http://UTSTA.ORG)





# UTAH GOVERNOR'S OFFICE OF ENERGY DEVELOPMENT

## March 4th Presenters

**K**-Stephanie Zwygart - Exploring animals adaptations through games and activities - K.2.2

**1**-Nate Bartholomew - Three Dimensional SEEd Lessons using Nearpods - All Strands

**2**-Lynn Gutzwiller - One Bounce, Two Bounce, Three Bounce or More! 2.3.1

**3**-Rachael Coleman - Sea Turtles 3.2.1

**4**-Lauren Rasmussen - Sound and Light Waves 4.3

**5**- Emily Olaya - Matter and Energy in Ecosystems Storylines and Resources 5.3.1-3

**6**-Kristin Hayward-Engagement Strategies for Online Educators specifically for SPED & ELL students. All Standards

**7**-Molly Malone & Jen Taylor - Cells in Context -7.3

**8**-Allen Purvis-The Murder of Mr. Bok Bok - Using a CSI Investigation to Chemistry 8.1.2-3

**ESS**-Heidi Griffith & Iain Harvey - Think Globally, Act Locally! Guiding Students to Scale Solutions for Resource Management 4.3

**Chem**-Dean Richens - Lab investigations Change in chemical system and bring chemistry "Home" 3.1-4 & 4.1

**BiO**-Amy Rosenvall - Unpacking 3D GRC to create Storylines

**Phys**-Tamara Young - Engineering Energy Transformations 4.2

## Board Member Positions Results



**Region 3 - Laura Cotter**



**Region 6 - Jan Hermansen**



**Region 9 - Kyle Johnson**



**Region 10 - Amy Pace**



**Higher Ed - Adam Johnston**



# MSSST

MS for Secondary School Teachers

Apply  
March 15, 2021



## Earth Science Online Cohort 2021-2023



MSSST is a cohort-based M.S. program for current secondary science teachers. Through rigorous coursework, professional development, and a capstone summer research experience, participating teachers engage in science and engineering practices and build in-depth content knowledge, pedagogical techniques, and leadership skills.

The University of Utah MSSST 2021-2023 Earth Science program of study aligns with Utah SEEd standards for grades 6-8, secondary Earth science, and AP/Environmental science and fulfills endorsement criteria for middle school, Earth Science, and Physical Science.

### Program Structure

- Approximately 34 credits, 2.5 years (June 2021- Dec 2023), remote (online) instruction
- 2-3 intensive courses (some with field work) in Summers 2021 and 2022
- 1 evening course per term during academic year.
- Ongoing transition-to-practice professional development seminars
- 8-10 week, 320 hr summer research experience Summer 2023
- Project presentation and paper Fall 2023

### Benefits

- MS degree in Earth Science with an emphasis in teaching
- Coursework in chemistry, geology, geophysics, ecology, astronomy, statistics and atmospheric sciences
- Evening/Summer class schedules designed specifically for teachers
- Lab, field, and online research opportunities
- Reduced and/or highly subsidized tuition rates (estimated to be about \$3,500, depending on funding. Final costs will be determined prior to program start)
- Coursework aligns with endorsement criteria for Earth Science, Physical Science, and Environmental Science for teachers with USBE approved pre-requisites

### Requirements - Applicants Should:

- Have a STEM BS degree
- Be currently licensed and teaching in a 6-12 STEM classroom in Utah
- Have three years K-12 teaching experience
- Have completed undergraduate courses in chemistry and physics

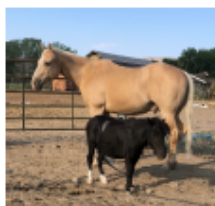
Contact [mssst@csme.utah.edu](mailto:mssst@csme.utah.edu) for more information.

Applications due March 15, 2021: [https://app.applyyourself.com/AYAApplicantLogin/fl\\_ApplicantLogin.asp?id=utahgrad](https://app.applyyourself.com/AYAApplicantLogin/fl_ApplicantLogin.asp?id=utahgrad)  
Select drop-down "Intended Program" option "Science Program for Secondary School Teachers MS, empasis area= "Earth Science"



Online-Endorsement  
Courses  
Starts May 6, 2021. Register Now

Register @ [utsta.org](http://utsta.org) Endorsment tab



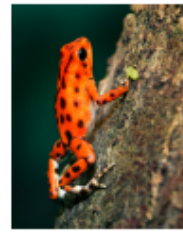
Genetics



Ecology

Modern Physics

Chemistry 2



Earth Systems



Lab Safety

ALL SCIENCE TEACHERS SEEKING ENDORSEMENTS. THE COURSES START ON MAY 6TH 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 POSSIBLE REIMBURSEMENT OF \$500.00.

# Face-to-face Endorsement Summer 2021

Possible reimbursement from your district or charter school. Register by week before class.



Physics 1 & 2



Astronomy



Chemistry 1



REGISTER AT  
UTSTA.ORG



Advanced Phys



Physical Geology



Science Methods



ALL SCIENCE TEACHERS SEEKING ENDORSEMENTS. The courses start dates vary. Go to [utsta.org](http://utsta.org) to learn more. Content learning, Discussion, Classroom Application, and a weekly wrap-up assignment. Total cost is \$500 for UtSTA Members. Contact your District for possible reimbursement of \$500.00.

## Energy in the Classroom

PROFESSIONAL DEVELOPMENT FOR ELEMENTARY TEACHERS (GRADES 4-6)

### WHEN AND WHERE

March 16, 2021

8 a.m. to 3 p.m.

### SUU STEM Center

351 W University Blvd.

Cedar City, UT 84720

### COST

\$30

Register at [utsta.org](http://utsta.org).

### YOU'LL RECEIVE

\$180 worth of materials

\$100 stipend for a sub

Access to 30+ SEEd Lessons – 3D

Seven hours of relicensure

### LESSONS

Core Drilling

Patterns in Minerals

Solar Power Challenge

Transporting Oil

Physical Change

Natural Gas: Density

Discover more lesson plans at [energy.utah.gov](http://energy.utah.gov). For more information, contact Dawn Monson at [dmonson@utsta.org](mailto:dmonson@utsta.org).



UTAH GOVERNOR'S OFFICE OF  
ENERGY DEVELOPMENT



# Energy in the Classroom

PROFESSIONAL DEVELOPMENT FOR SECONDARY ED TEACHERS (GRADES 7–12)

## WHEN AND WHERE

March 17, 2021  
8 a.m. to 3 p.m.

### SUU STEM Center

351 W University Blvd.  
Cedar City, UT 84720

## COST

\$30  
Register at [utsta.org](http://utsta.org).

## YOU'LL RECEIVE

\$180 worth of materials  
\$100 stipend for a sub  
Access to 30+ SEEd Lessons – 3D  
Seven hours of relicensure

## LESSONS

Transporting Natural Gas  
Digging into Renewables  
Combustion Process  
Peltier Plates  
Batteries

Discover more lesson plans at [energy.utah.gov](http://energy.utah.gov). For more information, contact Dawn Monson at [dmonson@utsta.org](mailto:dmonson@utsta.org).



## Want More Science News?

Follow the [State Science Blog](#)! It's updated regularly with opportunities for science teachers across the state.