



A Celebration of Excellence in Science Teaching

November 10, 2016

Oregon Museum of Science & Industry

1945 SE Water Ave in Portland, Oregon

Program

4:30pm: Doors open and No-Host Bar available

5:00pm: Dinner Served

5:40pm Awards Program

Presidential Awards

WSTA Awards

OSTA Awards



Presidential Award for Excellence in Science Teaching

The Presidential Award is the nation's highest honor for teachers of mathematics and science (including computer science). Awardees serve as models for their colleagues, inspiration to their communities, and leaders in the improvement of mathematics and science education. The following teachers have been selected as state finalists.

National Finalists for Oregon and Washington

2014



Maureen Foelkl
Chapman Hill Elementary School
Salem, Oregon

2015



Kate Dean
Centennial High School
Gresham, Oregon



Meredith Gannon
Tukes Valley Primary School
Vancouver, Washington



Jeffery Wehr
Odessa High School
Odessa, Washington

Oregon State Finalists for 2016

One of these candidates will be selected as Oregon's national awardee for 2016.

Sharon Angal
Quatama Elementary School
Hillsboro

Terry Evers
Ewing Young Elementary School
Newberg

Washington State Finalists for 2016

One of these candidates will be selected as Washington's national awardee for 2016.

Kimberly Astle
Fisher's Landing
Elementary
Vancouver

Julie Fry
Roosevelt Elementary
School
Yakima

Veronique Paquette
Kenroy Elementary School
East Wenatchee

Kitten Vaa
Brighton School
Mountlake Terrace

Outstanding Classroom Teaching Awards

One of the most important functions of your state's professional organization is to recognize outstanding science educators across the state. Your state organization selects several individuals for statewide and regional awards from nominations submitted by colleagues. Consider nominating a deserving colleague of yours for next year!

2016 Washington Science Teachers Association Teachers of the Year



Pete Duranceau
Rochester Middle School
Rochester, Washington

Pete is an ambitious, enthusiastic and excellent classroom practitioner who values each student as an individual. In almost three decades of education he has been witness to many pedagogical changes, all of which have the intent of molding the minds of children such that they would have the best opportunity's to lead productive lives, and make positive contributions to society. Many of the changes to the craft involve embracing prior students' innovative ideas in technology, such as computers, and acquisition and dissemination of information.

Pete is presently an instructional leader in his district. He facilitates a science PLC where they use the following guiding questions: What do we want our students to learn? How will we know they have learned it? How will we respond when a student experiences difficulty? How will we respond when a student already knows it? Using the aforementioned guiding questions Pete facilitates the development of common formative and summative assessments, uses the data garnered from the formative assessment to inform his instruction, and aggressively seek resources and tools to become the most effective educator/teacher leader possible.



Jeffery Wehr
Odessa High School
Odessa, Washington

Jeff Wehr teaches all of the high school science classes at Odessa High School. He also is the science curriculum leader for the district. The success of the district's science education program starts with a strong inquiry based science program starting in Kindergarten. Jeff worked with the elementary teachers to bring this program about. When students get to high school they have a good foundation to build on due to his efforts in the entire curriculum. The high school science program is the strongest curriculum area in the district and has raised the standards for all other disciplines. He, working as a part of the high school team has developed a culture where taking academic challenging course is the norm for Odessa students.

Jeff developed a science elective "advanced science research" for students who are interested in science at a deeper level. Jeff helps the students develop a research project addressing current scientific problems and then teams these students with scientists to complete the project. Recognition for outstanding efforts is due to Mr. Wehr. His leadership in rural science education is important for our region and the state; but the most important for the students at Odessa High School who recognize him as one of the best teachers they have ever had.

2016 OSTA Award Winners

The Duane Marshal Special Service to Science Education Award

Duane Marshall was an outstanding career teacher from Newberg High School, active in OSTA, and an important contributor to science education in Oregon. This award in his name is intended to honor those individuals who, as classroom teachers, have made significant contributions to science teaching in their own classrooms and beyond. The awardee will be selected based on career longevity and body of work, statewide and regional influence, enthusiasm for science, and the ability to motivate students and colleagues alike.

Michael Lampert, West Salem High School, Salem

The Sunrise Scholarship

For teachers who have completed less than five years of full-time teaching, this scholarship is used to pay registration to attend two consecutive Oregon-hosted OSTA Conferences. Other expenses of attending the conferences are not covered. Recipients agree to volunteer to help out in some way at the second of these conferences, and are encouraged to attend OSTA board meetings to learn more about the organization. Scholarship winner will receive a free two-year membership in OSTA.

Kim deYoung, Allendale Elementary School, Grants Pass

The OSTA Outstanding Classroom Teacher Awards

These awards are meant to recognize and honor the work of outstanding classroom teachers in the categories of Early Career (1-3 years of classroom experience), Elementary, Middle, and High School. From every region in Oregon, awardees are selected based on their ability to motivate student achievement and excitement in science, community and administrative support, ability to support and mentor new and pre-service teachers, and overall contributions to the profession.

Award Winners for 2016

Region 1 Outstanding Classroom Science Teachers

<i>Early Career</i>	<i>Elementary</i>	<i>Middle School</i>	<i>High School</i>
Erin Boniface St. Andrew Nativity School Portland	Jennifer Williams Joseph Gale Elementary Forest Grove	Darcy Gill George Middle School Portland	Jeff Crapper Health and Science School Beaverton
Julie Trisel Gresham High School Gresham		Dylan McCann Hazelbrook Middle School Tualatin	Rodney Shroufe Clackamas High School Clackamas
			Molly Sultany Northwest Academy Portland

Region 2 Outstanding Classroom Science Teachers

<i>Elementary</i>	<i>Middle School</i>	<i>High School</i>
Stacey Zaback Kings Valley Charter School Philomath	Michelle Clarno Sweet Home Junior High Sweet Home	Greg Smith West Salem High School Salem
	Toni Hanson Mountain View Middle School Newberg	Emmet Whittaker Lebanon High School Lebanon
	Mark Holden Sweet Home Junior High Sweet Home	

Region 3 Outstanding Classroom Science Teachers

<i>Elementary</i>	<i>Middle School</i>	<i>High School</i>
Allison Kreider Howard Elementary School Eugene	Nicholas Krissie Lincoln Middle School Oakland	Loren Shaw Glide High School Glide

Region 4 Outstanding Classroom Science Teachers

<i>Early Career</i>	<i>Middle School</i>	<i>High School</i>
Ryan King Ruch Community K-8 Jacksonville	Kaaren Emberton White Mountain Middle School White City	Lana Crumrine Klamath Union High School Klamath Falls

Region 5 Outstanding Classroom Science Teachers

<i>Elementary</i>	<i>High School</i>
Celia Hampton Sherwood Heights Elementary Pendleton	Kathryn Davis Hood River Valley High School Hood River

Region 6 Outstanding Classroom Science Teacher

<i>Elementary</i>
Carolyn Koskela Frenchglen School Frenchglen

National Award Opportunities

Nominations for the following awards are open now.
Consider applying yourself, or nominating a deserving colleague.

Presidential Award for Excellence in Science Teaching

www.paemst.org

The Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) are the highest honors bestowed by the United States government specifically for K-12 mathematics and science (including computer science) teaching. Established by Congress in 1983, the PAEMST program authorizes the President to bestow up to 108 awards each year.

Awards are given to mathematics and science (including computer science) teachers from each of the 50 states and four U.S. jurisdictions. The jurisdictions are Washington, D.C.; Puerto Rico; Department of Defense Education Activity schools; and the U.S. territories as a group (American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands).

The award recognizes those teachers who develop and implement a high-quality instructional program that is informed by content knowledge and enhances student learning. Since the program's inception, more than 4,200 teachers have been recognized for their contributions in the classroom and to their profession. Awardees serve as models for their colleagues, inspiration to their communities, and leaders in the improvement of mathematics and science (including computer science) education. The National Science Foundation administers PAEMST on behalf of The White House Office of Science and Technology Policy.

Recipients of the award receive the following:

- **A certificate signed by the President of the United States.**
- **A paid trip for two to Washington, D.C., to attend a series of recognition events and professional development opportunities.**
- **A \$10,000 award from the National Science Foundation.**

In addition to recognizing outstanding teaching in mathematics or science (including computer science), the program provides teachers with an opportunity to build lasting partnerships with colleagues across the nation. This growing network of award-winning teachers serves as a vital resource for improving science, technology, engineering, and mathematics education and keeping America globally competitive.

Deadline for Applications: April 1, 2017

The Shell Science Teaching Award

<http://www.nsta.org/about/awards.aspx#shell>

A partnership between Shell Oil Company and the National Science Teachers Association (NSTA), this award recognizes one outstanding classroom teacher (grades K-12) who has had a positive impact on his or her students, school, and the community through exemplary science teaching. Special projects may be mentioned but should not be the main focus of the candidate's application.

The Shell Science Teaching Award recipient will receive \$10,000. The recipient and the two finalists will each receive an expense-paid trip to attend the NSTA National Conference on Science Education. During the conference, the finalists will be honored at the Awards Banquet. The recipient will also be recognized at the Teacher Awards Banquet. The 10 semifinalists will receive certificates of distinction.

Nominees must be classroom teachers whose responsibilities include teaching science. Nominees must have a minimum of eight years of experience (not including the current school year) as a teacher of science, and must teach in a private or public school in the United States, U.S. Territories, Department of Defense schools, or in Canada.

Selection Procedure

The Shell Science Teaching Award Judging Panel will review the nomination packets and select 10 finalists. These individuals will then be asked to provide a video no longer than 30 minutes that features classroom activities with students that clearly reflect the candidate's teaching philosophy and application submission. The classroom is defined as indoor or outdoor—wherever the candidate teaches science. Videos will be due in mid-January. The Shell Science Teaching Award Judging Panel will review the videos and select three finalists. The panel will then form a site visit team consisting of three members, who will visit each finalist. Site visits will take place at the candidates' schools in February. The site visit team will then determine the recipient of the award.

Deadline for Applications: January 6, 2017

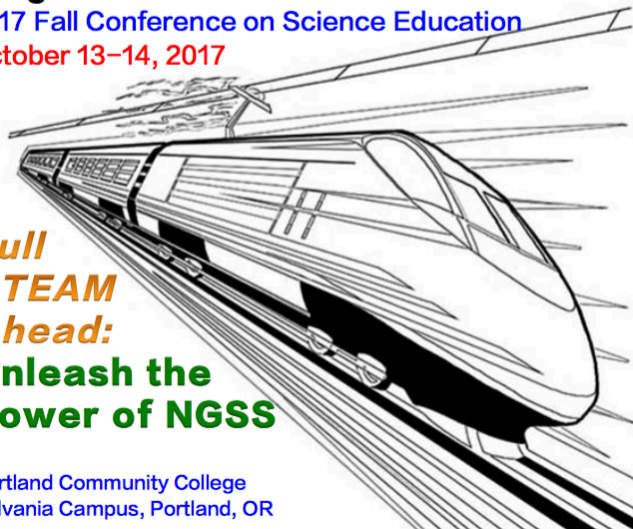
Oregon Science Teachers Association

2017 Fall Conference on Science Education

October 13–14, 2017

**Full
STEAM
Ahead:
Unleash the
Power of NGSS**

Portland Community College
Sylvania Campus, Portland, OR



Share your Expertise

Submit a session proposal

All proposals will be evaluated based on the extent to which they:

- ✓ Adhere to the strand description and intent.
- ✓ Align with one or more strand goals.
- ✓ Are based on current and available research.
- ✓ Involve participants through activities and/or discussion.

Proposals are being accepted for the following strands:

Phenomenon: Exploring your World

This strand is about the student's journey of exploration of their world. It is about the student experience, not the teacher telling the story of the journey.

Goals: Provide workshops and presentations focused on one or more of the following:

- Demonstrate how phenomenon can be used to focus a unit and lessons within a unit.
- Demonstrate that phenomenon-driven instruction brings relevancy and lets students understand why they are learning science.

Equity: All Aboard

This strand focuses on the need for cultural relevancy in science teaching so all students have access and can participate in the science journey. Let's utilize the science and engineering practices as the ticket to increase student access and engagement.

Goals: Provide workshops and presentations focused on one or more of the following:

- Creating cultural relevancy in your classroom.
- Increasing/improving instruction utilizing NGSS science and engineering practices.
- Increasing/improving student literacy and communication in science.
- Illustrating effective pedagogical strategies for NGSS implementation that support diverse student populations.
- Identifying diverse groups and developing appropriate plans to differentiate instruction.

Generating Energy through the Interconnectedness of STEAM

This strand is about powering student engagement by interconnecting science with technology, engineering, arts, and math.

Goals: Provide workshops and presentations focused on one or more of the following:

- Demonstrate how NGSS standards can be bundled with other curricular areas to increase student engagement and relevancy.
- Demonstrate lessons illustrating STEAM principles in an original or redesigned unit or lesson.

Submit your proposal:

<http://bit.ly/2cQVml2>



Deadline for session proposals is

April 30, 2017



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JOURNEY TO SPACE

THE EXHIBITION

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Journey to Space was developed by the Science Museum of Minnesota and the California Science Center in cooperation with the Science Museum Exhibit Collaborative with major support from NASA.