

OSTA Conference 2018

E Earth & Space Science **D** Education Research **N** Engineering & Technology **G** General Science

L Life Sciences **P** Physical Sciences

OCTOBER 12 • FRIDAY

7:00am – 8:00am		Conference Check In. Refreshments sponsored by National Inventors Hall of Fame Newport Middle School (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	E	Exploring the Axial Seamount! <i>Presenters: Adam Talamantes</i> Room 4019 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	D	The Design and Invention Project – Integrated STEM Modules for Engaging All Students by Connecting to Daily Life <i>Presenters: Mihir Ravel</i> Room 4022 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	N	Aerospace Connections K-12 from the Civil Air Patrol <i>Presenters: Hilda Pereyo</i> Room 3131 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	N	Exploring waves, energy, and community impacts <i>Presenters: Megan Poole</i> Room 3130 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	G	Choice and Relevance in Place Based Education: Use Agile Project Management to Run a Place Based “Free-Choice Project Derby” in Your Classroom <i>Presenters: Andy Bedingfield</i> Room 4012 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	G	Forests as a Context For Place-Based Education <i>Presenters: Norie Dimeo-Ediger</i> <i>Co-Presenters: Rikki Heath</i> Room 4014 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	G	Ice, Ice, Baby: An Integrated 3D Storyline Unit for Middle School Science using Instant Ice Packs <i>Presenters: Kathryn Fleegal</i> <i>Co-Presenters: Arlene Friend</i> Room 4023 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	G	Language Support and Cooperative Learning Techniques in a Project-Based Classroom <i>Presenters: Jeff Crapper</i> Room 3127 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	G	Modeling and the NGSS: Think Out Loud the Scientific Way! <i>Presenters: Randy Bell</i> Room 3125 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	G	NGSS Storyline Coherence for K-5: Phenomena and Context-Based Units of Study for K-5 <i>Presenters: Carol Biskupic Knight</i> Room 4020 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	G	NLM’s Online Playground: K-12 Science and Health Education Resources <i>Presenters: Carolyn Martin</i> Room 3124 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	G	Place-based Education in Elementary School: Bringing Science to the Community <i>Presenters: Susan Hathaway</i> Room 4011 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	G	Place-based Education in Middle School: “Doing” Science and Becoming Advocates for our Earth <i>Presenters: Chris Wyland</i> Room 4015 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	G	Place-based Education in the Primary Grades: Problem-solving and Play <i>Presenters: Nesa Levy</i> Room 4013 (825 NE 7th St, Newport, OR 97365)

8:00am – 8:50am	G	Utilizing Online Resources to Maximize Time <i>Presenters: Charity Staudenraus</i>	Room 3129 (825 NE 7th St, Newport, OR 97365)
8:00am – 8:50am	P	Radon, Hanford, and Nuclear Chemistry, Oh My: Social Justice Issues in Chemistry <i>Presenters: Rachel Stagner</i>	Room 4021 (825 NE 7th St, Newport, OR 97365)
9:00am – 9:50am	G	Keynote Presentation <i>Presenters: Jean Nave</i>	Commons (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	E	Ages of Rock-Exploring the Geologic Time Scale <i>Presenters: Lacey Moore</i>	Room 4023 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	N	Bringing Controversial Subject Matter Into the Classroom: A Case Study Approach using Genetically Modified Organisms <i>Presenters: Jay Well</i>	Room 3127 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	N	FIRST Robotics: It is about more than the robot <i>Presenters: Cathy Swider</i>	Room 3129 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	N	TEL Me More – Assessing the Technology and Engineering Skills of 8th Graders <i>Presenters: Beth LaDuca</i>	Room 3128 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	G	Claim-Evidence-Reasoning: The Value of Framing Scientific Argumentation in your ESL/Bilingual Classroom <i>Presenters: Amanda Priest</i>	Room 3130 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	G	Connect with Oregon Science Project Facilitators for Support in Implementing NGSS <i>Presenters: Connie Robbins</i> <i>Co-Presenters: Sandra Rice</i>	Room 3125 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	G	Essential Oils From Plants <i>Presenters: David Hackleman</i> <i>Co-Presenters: Michael Rockow</i>	Room 4019 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	G	Grounding STEM Education in Place <i>Presenters: Gregory Smith</i>	Room 4015 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	G	If a Picture Is Worth a Thousand Words, a Simulation Is Worth a Million! <i>Presenters: Julia Fischer</i>	Room 3131 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	G	Looking for ways to get your students more involved with stewardship and citizen science? <i>Presenters: Fawn Custer</i>	Room 4014 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	G	Modeling Phenomena on the Cheap <i>Presenters: KAREN BLAETTLER</i>	Room 4020 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	G	Phenomenon-Mah na mah na: How to use an local anchoring phenomena to drive a lesson series <i>Presenters: Kathryn Fleegal</i> <i>Co-Presenters: Arlene Friend</i>	Room 4022 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	G	Planning for Place-based Education: Resource Sharing <i>Presenters: Susan Hathaway</i>	Room 4013 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	G	Science and Ecotourism: Fostering unconventional partnership for authentic project based learning. <i>Presenters: Melissa Steinman</i>	Room 4011 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	G	Using Accountable Talk and Responsive Assessment Strategies to Deepen Student Understanding <i>Presenters: Jessica Augden</i>	Room 3124 (825 NE 7th St, Newport, OR 97365)

10:00am – 10:50am	L	MAKING WAVES WITH TECHNOLOGY: ENGAGING LEARNERS AND INTEGRATING RELEVANCE, RESPONSIBILITY, AND RESILIENCE <i>Presenters: Valerie Stephan-LeBoeuf</i>	Room 4012 (825 NE 7th St, Newport, OR 97365)
10:00am – 10:50am	P	Patterns Physics: A 50-Year Energy Plan <i>Presenters: Matt McCollum</i> <i>Co-Presenters: Bradford Hill</i>	Room 4021 (825 NE 7th St, Newport, OR 97365)
11:00am – 11:50am		Lunch/Networking/Visit Exhibitors	Gym (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	E	Demystifying STEM and the NGSS Through the Phenomenon of Earthquakes <i>Presenters: Amanda Priest</i>	Room 4020 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	E	SUPERMOON! Building a Literacy Infused STEAM Storyline <i>Presenters: Kevin Carr</i>	Room 4023 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	N	1..2..3... Innovate! Intro to STEM and Engineering Activities <i>Presenters: Cassie Whitecotton</i>	Room 3125 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	N	FIRST LEGO League for 4th – 8th grade <i>Presenters: Loridee Wetzel</i>	Room 3127 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	N	Mars Rover Lego Robotics Engineering Challenge! <i>Presenters: Karen Black</i>	Room 3130 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	G	Developing Place-Based Field Study Programs in Rural Schools <i>Presenters: Delaney Sharp</i>	Room 4011 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	G	How Place-Based STEAM Projects Have Improved Perseverance & Independence in a Rural Community <i>Presenters: Kama Almasi</i> <i>Co-Presenters: Melissa Steinman</i>	Room 4012 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	G	How to Publish your Student Projets for the Entire World to See <i>Presenters: Jean Nave</i>	Room 4014 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	G	Integrating Chromebook™ with Vernier Technology <i>Presenters: Josh Ence</i>	Room 3129 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	G	Phenomena Driven Instruction and Formative Assessment <i>Presenters: Noelle Gorbett</i> <i>Co-Presenters: Jamie Rumage</i>	Room 4021 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	G	Place-based Education and Authenticity: Utilizing STEM to engage students in their community. <i>Presenters: Patrick Willis</i> <i>Co-Presenters: Lauriel Amoroso, Lisa Columbo, Noelle Eaton, Kara Kelley, Morgen Kelm, Fawn Morosky, Angie O'Brien</i>	Room 4013 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	G	Transform Your Class with a Murdock Partners in Science Grant <i>Presenters: Tai Quirke</i>	Room 4015 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	L	Cancer Medicine Focus Connects Students to Real-Life STEM Applications of Cryopreservation and Biomaterials Technologies <i>Presenters: Mary Zelinski</i>	Room 4019 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	L	Journey 2050: Agriculture Education for the Next Generation <i>Presenters: Kassia Rudd</i>	Room 3131 (825 NE 7th St, Newport, OR 97365)
12:00pm – 1:45pm	P	Language Development in Earth and Physical Science <i>Presenters: Nicole Safranek</i>	Room 3128 (825 NE 7th St, Newport, OR 97365)

12:00pm – 1:45pm	P	Music, Waves, and Vibes – Engaging All Students in Physics by Integrating Design & Invention into Traditional Science <i>Presenters: Mihir Ravel</i>	Room 4022 (825 NE 7th St, Newport, OR 97365)
1:45pm – 2:15pm		Afternoon Break: Refreshments sponsored by OSU Marine Studies Initiative Commons (825 NE 7th St, Newport, OR 97365)	
2:15pm – 4:00pm	E	Nurturing and Teaching a Sense of Wonder <i>Presenters: Joe Minato</i>	Room 4015 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	E	Reaching New Depths in Understanding the Language of Science <i>Presenters: Nicole Safranek</i> <i>Co-Presenters: Kerry Zambrano</i>	Room 3131 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	E	Robotics & Space: NASA in the classroom <i>Presenters: Hilda Pereyo</i>	Room 3127 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	E	STEM-ulating Activities on Human Ecology <i>Presenters: Jennifer Wyld</i>	Room 3130 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	E	Teaching Resources on Cascadia Earthquake and Tsunami Science, Hazards, and Emergency Preparedness <i>Presenters: Robert Butler</i> <i>Co-Presenters: Susan Graves</i>	Room 4012 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	N	Bridging the Gap Between Math and Engineering <i>Presenters: elliot apatov</i>	Room 3129 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	N	Engineering the Oregon Trail <i>Presenters: Larry Zurcher</i>	Room 3128 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	G	Dive Deep into the Crosscutting Concepts (K-5) <i>Presenters: Angie Arends</i>	Room 4020 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	G	Haystack Rock Awareness Program: Education Through Stewardship, Art and Positive Action <i>Presenters: Melissa Keyser</i>	Room 4014 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	G	Place-Based Educator Networking <i>Presenters: Sarah Shaw Roberts</i>	Room 4013 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	G	STEMtastic Elementary Family Events: Increase community engagement without losing your mind <i>Presenters: Kara Allan</i>	Room 4011 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	G	Tools to "Next-Genify" your Instruction <i>Presenters: SUSAN HOLVECK</i> <i>Co-Presenters: Berkeley Gadbow</i>	Room 4023 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	L	Investigating Human Population Growth <i>Presenters: Charlotte Denis</i>	Room 4022 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	P	Hurricane Maria as a Phenomena to Drive a Middle School Chemistry Unit <i>Presenters: Melody Childers</i>	Room 4023 (825 NE 7th St, Newport, OR 97365)
2:15pm – 4:00pm	P	Patterns Physics: Engaging Students in NGSS 3D Learning Arc on Texting & Driving <i>Presenters: STEPHEN SCANNELL</i> <i>Co-Presenters: Julie Trisel</i>	Room 4021 (825 NE 7th St, Newport, OR 97365)
4:15pm – 4:45pm		Scavenger Hunt Prizes and Raffle	Newport Middle School (825 NE 7th St, Newport, OR 97365)
5:30pm – 8:00pm		Awards Banquet Sponsored by NW Natural	Oregon Coast Aquarium (2820 SE Ferry Slip Rd, Newport, OR 97365)

