



# STEM Education Innovation Alliance

## MEETING AGENDA

Revised 2/21/2023

- DATE** February 22, 2023  
**TIME** 9:25 AM to 2:00 PM  
**LOCATION** Washington State Capitol Campus  
Legislative Building | Columbia Room  
416 Sid Snyder Avenue SW  
Olympia, Washington 98504  
**LIVE STREAM** [Click here to view meeting on TVW website](#)

**TOPICS** | Climate Science Education and related legislation, Washington State Opportunity Scholarship, spotlight on proposed Operational Technology Cyber Controls Technician Apprenticeship

9:25 AM **Welcome & Introductory Comments**

STEM Alliance Co-Chairs

**John Aultman**, Executive Policy Advisor, Higher Education and Workforce Development, Washington State Office of the Governor

**James Dorsey**, Chief Executive Officer, College Success Foundation

9:30 AM **Governor's Welcome and Comments**

The Honorable State of Washington Governor **Jay Inslee**

10:00 AM **Outdoor Nature-Based Child Care – Update on Program and Successes**

In 2021, Washington State Legislature passed Senate Bill 5151, that authorizes the Washington State Department of Children, Youth, and Families to license outdoor, nature-based child care programs that enroll preschool and school-age children. These programs teach a nature-based curriculum, including climate education, and provide daily nature-based learning experiences. Licensing outdoor, nature-based programs provides children and families across Washington state, equitable access to a new path of child care.

**Debbie Groff**, Area Administrator, Washington State Department of Children, Youth and Families

10:20 AM

## Outdoor Education Programs

In 2022, the legislature established a statewide grant program and corresponding outdoor education experiences program in public schools to ensure that all students have a chance to benefit from outdoor education.

[2022 Second Substitute House Bill 2078 – Outdoor Learning Grant Program]

**Sheila Wilson**, *Outdoor Education Program Manager*, Washington State Office of Superintendent of Public Instruction

## Climate Science Education in Washington's K-12 Schools

Update and success stories in climate science education in public schools. Information and update on the ClimeTime Initiative that provides grants to professional learning partners who train science teachers to use the Next Generation Science Standards, specifically the climate science learning standards.

**Ellen Ebert**, *Director, Secondary Education Content*, Washington State Office of Superintendent of Public Instruction

**Lorianne Donovan**, *Regional Science Coordinator*, Educational Service District 123

**Luke Matlack**, *Regional Science Coordinator*, Educational Service District 105

**Carissa Haug**, *Regional Science Coordinator*, Educational Service District 171

## Climate Science Integration Program

Last session, the legislature allocated funding to support the development of learning materials and resources that integrate climate science learning across all K12 content areas.

**Lori Henrickson**, *Climate Science Content Integration Consultant*, Washington State Office of Superintendent of Public Instruction

## Looking Ahead – Bringing the K12 Initiatives Together

Washington state is a recognized leader in science education due to our participation and investment in national, state-wide, and local initiatives. A successful future, where students are climate and science literate and prepared to fulfill our need for a STEM workforce, is dependent upon clear, coherent, and equitable work happening across K-12.

**Johanna Brown**, *Associate Director, Secondary Science*, Washington State Office of Superintendent of Public Instruction

11:30 AM

### The Climate Teacher Education Collaborative

The Collaborative builds resources and capacity to teach about community climate justice projects and youth civic action in teacher education programs across Washington. The network engages in shared learning, coordination, and the collaborative design of open education resources for use in teacher education focused on climate justice education. Reference for more details: <https://stemteachingtools.org/>

**Philip Bell**, *Professor of Education and Shauna C. Larson Chair in Learning Sciences*, University of Washington Seattle

**Deb Morrison**, *Research Scientist at the Institute for K-12 Science & Math Education*, University of Washington Seattle

11:45 AM

### Integrating Climate Science Education in Community College Curriculum

The State Board for Community and Technical Colleges will provide an update on the Climate Solutions Curriculum Project. Over the course of this year, college faculty are revising curriculum, so students are prepared for the green jobs of the future. In collaboration with tribal, industry, and state government partners, faculty and staff from across the state are building resources, shared materials, and networks with a climate solutions mindset.

**Carli Schiffner**, *Deputy Executive Director of Education*, Washington State Board for Community and Technical Colleges

**Lynn Palmanteer-Holder**, *Director of Tribal Governmental Affairs*, Washington State Board for Community and Technical Colleges

12:00 PM

### Expanding Opportunities for Climate Action and Climate Careers After High School (House Bill 1176 and Senate Bill 5247)

Discuss current legislation that has the goal of building climate-ready and climate-resilient communities through expanded service opportunities for young adults and clean-energy workforce development.

The proposed bills (House Bill 1176 and Senate Bill 5247 “Developing opportunities for service and workforce programs to support climate-ready communities”) will:

- Create the **Washington Climate Corps Network** to connect and grow climate-related service opportunities, increase equitable access to these programs, encourage more climate-related service programs in overburdened communities and in partnership with tribes; and
- Direct Washington State Workforce Training and Education Coordinating Board to partner with labor groups to evaluate the workforce needs to support clean-energy job creation, prepare workers, and prevent workforce displacement.

We’ll discuss how, if enacted, the bills will create pathways for young adults and veterans to gain skills, experience, and exposure to climate-related careers.

**Carrie Sessions**, *Senior Policy Advisor for Environment and Water*, Washington State Office of the Governor

**Amber Martin-Jahn**, *Executive Director, Serve Washington*, Washington State Office of Financial Management

**Representative Vandana Slatter (D)**, *48<sup>th</sup> Legislative District*, Washington State House of Representatives

12:30 PM

### **Working Lunch**

1:00 PM

### **Washington State Opportunity Scholarship Update**

The Washington State Opportunity Scholarship's (WSOS) mission is to build pathways into high-demand Washington careers for Washington students. They do this by coupling financial aid with the power of mentorship to dismantle barriers to postsecondary education. WSOS will provide an overview of this unique, public-private partnership's evolution since 2011, and how they are supporting Opportunity Scholars as they earn credentials and launch careers here in Washington state. They will explore community partnerships and how WSOS connects with other important state initiatives and organizations. WSOS staff welcomes your questions and comments!

**Kimber Connors**, *Executive Director*, Washington State Opportunity Scholarship

1:30 PM

### **Spotlight: Proposed Operational Technology Cyber Controls Technician Apprenticeship**

Presentation will highlight the proposed apprenticeship program. If approved, this would be the first registered Operational Technology Cyber Apprenticeship in Washington State.

The increasing complexity of operations within the systems and platforms to produce reliable utility infrastructure for our communities and businesses, needs support. The International Brotherhood of Electrical Workers Local 77 has been working with energy, education, and workforce stakeholders to develop an operations-based technology training that addresses the increasing cyber-attacks on our systems and structures.

**Peter Guzman**, *Apprenticeship Program Manager*, Washington State Department of Labor and Industries

**Christine Reid**, *Political Director*, International Brotherhood of Electrical Workers Local 77; *Chair*, Joint Apprenticeship and Training Committee

**Tyler Swartz**, *Cybersecurity Operations Manager*, Tacoma Power/Tacoma Public Utilities  
*Subject Matter Expert in Cyber*, Joint Apprenticeship and Training Committee

**Dennis Skarr**, *IT Instructor in Industrial Cybersecurity*, Everett Community College

**Ted Harris**, *OT and IT Electronics Technician*, Grant County Public Utility District  
*Labor Member*, Joint Apprenticeship and Training Committee

NOTE: Joint Apprenticeship and Training Committee is the oversight committee for the International Brotherhood of Electrical Workers Local 77 Operational Technology Cyber Controls Technician Apprenticeship Program.

2:00 PM      **Meeting Adjourn**

**FOR MORE INFORMATION AND ASSISTANCE**

**Ellen Matheny** (*STEM Alliance Manager*) welcomes you to contact her at:  
Office (360) 753-7824 | Cell (360) 515-6810 | Email [ellenm@wsac.wa.gov](mailto:ellenm@wsac.wa.gov)

**MEETING AGENDA, PRESENTATION SLIDES AND HANDOUTS**

