



# STEM Education Innovation Alliance

## MEETING AGENDA

**DATE** Wednesday, February 14, 2018  
**TIME** 8:45 AM to 2:00 PM  
**LOCATION** Washington State Capitol Campus  
John A. Cherberg Building  
298 15<sup>th</sup> Avenue SW  
Olympia, Washington 98504  
Conference Room A-B-C

### **TOPIC** Science, Climate and Environment Day

8:30 Beverages – coffee, iced tea, water  
Student displays available

8:45 Welcome | Introductions | Announcements | Updates  
**Gene Sharratt**, *Co-Chair STEM Education Innovation Alliance*

9:00 **State of Washington Governor Jay Inslee**  
Goals for climate change and science education

9:20 Presentations on science, climate & environment by students and industry associates  
**Gene Sharratt**, *Moderator*

9:30 **COLUMBIA CREST A-STEM ACADEMY**  
Ashford, Washington | Eatonville School District  
Grade Levels: **K-2**  
Project Title: **Upcycling, Terracycling and Red Worms: How to Be a “Green” Sustainable School**

#### Community & Industry Partners

Nisqually Education Project, Mount Rainier National Park Rangers, Pierce County Conservation Partners

9:45 **BORDEAUX ELEMENTARY SCHOOL**  
Shelton, Washington | Shelton School District  
Grade Level: **4**  
Project Title: **Environmental Factors Affecting Salmon**

Community & Industry Partners

Pacific Education Institute, South Sound Salmon Enhancement Group, Taylor Shellfish

10:00 **EVERGREEN MIDDLE SCHOOL**  
Everett, Washington | Everett School District  
Grade Level: **8**  
Project Title: **Energy Matters: Applying NGSS to Energy Conservation in Schools**

Community & Industry Partner

Washington Green Schools (funded by Boeing Corporation and Washington State Department of Commerce)

10:15 **TAHOLAH HIGH SCHOOL**  
Taholah, Washington | Taholah School District  
Grade Level: **9**  
Project Title: **Hypoxia**

Community & Industry Partners

Quinault Indian Nation Tribal Council & Elders, Quinault Department of Natural Resources, University of Washington, University of Oregon, Western Washington University, Northwest Indian College, Taholah School District Board Members

10:30 **SUMNER HIGH SCHOOL**  
Sumner, Washington | Sumner School District  
Grade Levels: **9-12**  
Project Title: **The Biological Hazards and Toxicity of Chloride Road Deicers to Ceriodaphnia Dubia**

Community & Industry Partner

Washington State University Puyallup Research and Extension Center – Washington Stormwater Center

- 10:45 **COLTON HIGH SCHOOL**  
Colton, Washington | Colton School District  
Grade Level: **10**  
Project Title: **Soil Health Benefits of Cover Crops and Grazing Cover Crops**
- Community & Industry Partner  
Palouse Conservation District - Regional Conservation Partnership Program
- 11:00 **TESLA STEM HIGH SCHOOL**  
Redmond, Washington | Lake Washington School District  
Grade Levels: **11-12**  
Project Title: **Operation Sustain**
- Community & Industry Partners  
University of Washington Earth Games, Code 4 Charity, Seattle Youth Climate Action Network
- 11:15 **TESLA STEM HIGH SCHOOL**  
Redmond, Washington | Lake Washington School District  
Grade Level: **11**  
Project Title: **Schools Under 2C**
- Community & Industry Partners  
City of Redmond (SchoolPool), King County Green Schools Program, Alliance for Jobs & Clean Energy, Sustainability Ambassadors
- 11:30 Communication Plan for Next Generation Science Standards – Washington State Board of Education’s Approach  
**Jeff Estes**, *Board Member*, Washington State Board of Education  
**Alissa Muller**, *Communications Manager*, Washington State Board of Education
- 11:40 Discussion: Updating the environmental and sustainability literacy plan (Senate Bill 6421) and Next Generation Science Standards  
**Lisa Eschenbach**, *Strategic Advisor*, E3 Washington
- 11:50 2018 STEM Education Report Card & Legislative Highlights  
**Maddy Thompson**, *Senior Policy Advisor*, Washington State Office of the Governor

12:00 Working Lunch | “Importance of science and technology education in Washington”

Superintendent of Public Instruction **Chris Reykdal**

Washington State Senator **Reuven Carlyle** D-Seattle (36<sup>th</sup> Legislative District)

Link between student-learning engagement and reducing greenhouse gases  
**Abby Ruskey**, *Fellow*, U.S. Partnership for Education for Sustainable Development

1:00 Student Science Projects – Projects will be setup in meeting room and time available for visiting with students and industry partners

2:00 Adjourn

*Opportunities for STEM Alliance members to visit with legislators during afternoon*

#### **NEXT MEETINGS:**

May 2018 – Location and date to be determined.

October 2018 – Meeting in conjunction with:

North American Association for Environmental Education 47<sup>th</sup> Annual Conference

“Environmental Education: A Force for the Future”

October 10-13, 2018

Spokane Convention Center | Spokane, Washington