

## STEM Education Innovation Alliance Meeting

July 13, 2016

### AGENDA

**Meeting Location:** McKinstry - 5005 3<sup>rd</sup> Avenue S, Seattle Washington 98134 “Garage Room”

**9:00 AM Welcome and Meeting Overview**

**Facilitator:** *Gene Sharratt*, Former WSAC Executive Director

*Mark Jonson*, Regional Director for Western Washington Energy, McKinstry

**Brief overview of Washington STEM & Introduction of Staff**

*Caroline King*, Washington STEM

**9:15 AM Preparation for Discussion with Governor - Gene Sharratt**

**9:40 AM The Honorable State of Washington Governor Jay Inslee**

**Key Remarks**

Celebrate the work and value of the STEM Alliance

Important STEM priorities to the Governor

**Discussion**

Discuss key policy areas that the Governor would like insights, advice and support from the STEM Alliance.

**Questions for Alliance Members** – These questions were posed in the STEM Alliance’s September 2015 meeting with the Governor, to advise him on how to take computer science across the state and leverage basic education investments for STEM. He asked for the STEM Alliance’s recommendations for the upcoming legislative session.

- What can we do to make Hour of Code reach students in all regions of the state?
- What initiatives should we support in the upcoming legislative session that would have the greatest impact on advancing STEM education in Washington?
- How can new state investments in basic education help advance STEM opportunities and outcomes?
- What new programs or expansions of existing programs would most effectively:
  - (1) Advance student interest, retention, and achievement in STEM education?
  - (2) Improve access and student success for underrepresented minorities in STEM?

**10:00 AM Roundtable Discussion: State of Computer Science in Washington State**

**Moderator:** *Andy Shouse*, Washington STEM

*Objectives:* Bring together diverse leaders in computer science to update STEM Alliance on state of computer science at our educational institutions and workforce gaps/needs. Initiate discussion on how to best address these needs and shortages.

*Roundtable Focus:* Define the state of computer science education in Washington state and outline steps the STEM Alliance members could take to advance this work. Roundtable presenters will describe several ongoing and recent developments in computer science education in Washington (i.e., standards development, new grant awards, innovative programmatic approaches) as well as innovative programs that operate throughout the nation.

*Overarching Question:* What can we do right now as the STEM Alliance and as individuals to support further progress in K-12 computer science education in the state?

*Roundtable Presenters and Key Questions:*

**Hadi Partovi** (*Founder*, Code.org): What is the state of the art for K-12 computer science education in the U.S.?

**Naria Santa Lucia** (*Executive Director*, Washington State Opportunity Scholarship): What new capacity for computer science teacher preparation will be developed through the WSOS expansion fund? What does capacity/supply look like at our postsecondary institutions?

**Greg Bianchi** (*K-5 STEM Curriculum Developer*, Bellevue Public Schools): How can we leverage standards to build computer science education experiences across the K-12 grades?

**Kevin Wang** (*Founder*, Technology Education and Literacy in Schools): What is TEALS and does it serve Washington's K-12 computer science curriculum?

**Vicki Hrdina** (*STEM Director*, Educational Service District 112): How are you using science kits to engage rural schools in computer science?

**Jennifer Carlson** (*Executive Director*, Washington Technology Industry Association): What does employer demand look like? What is the role and goals of the new US Department of Labor-funded apprenticeships in helping to meet that demand?

**11:00 AM Break**

**11:15 AM Policy Recommendations in Preparation for 2017 Legislative Session**

**Briefing:** *John Aultman*, Washington State Office of Governor

Build off the discussions on policy recommendations and legislative strategies for next session. Surface what the needs are and how the STEM Alliance can work with the Governor to tackle these.

Over the next hour, STEM Alliance will delve into two topics:

1. How STEM relates to the #1 education issue in Olympia (McCleary/basic education) (arguably the #1 issue in Olympia overall) and secure STEM Alliance member's feedback on a set of early findings and recommendations.
2. Revisit other top priorities that go beyond K-12/basic education that this group surfaced at the April 2016 meeting.

**11:20 AM STEM Policy Recommendations for K-12 Basic Education**

**Facilitator:** *Jennifer Vranek*, Education First Consulting (Founder)

Engage STEM Alliance members in discussion about the basic education debates in Olympia from a STEM perspective, a key issue for the Governor. Preview early findings and recommendations on a research project designed to identify state and district levers for advancing STEM education access, quality and outcomes through state basic education investments.

**11:50 AM Generating Policy Recommendations**

**Facilitator:** *Randy Spaulding*, Washington Student Achievement Council

Build upon past work of the STEM Alliance to further discuss and refine policy recommendations. Recap 2015 STEM Alliance recommendations and what emerged from our previous meeting's discussions. Identify top three recommendations and/or areas for further exploration.

Potential policy recommendations aggregated from April 28, 2016, discussions:

- Develop a mid-level version of the Washington State Opportunity Scholarship.
- Continue to expand funding for computer science enrollments.
- Continue investments in additional MESA enrollments.
- Reaffirm the Dual Credit recommendation from last year.
- Additional investments in K-12 Professional Development and/or funds for equipment or supplies to implement STEM-focused projects or curriculum.
- Enhance the High School and Beyond plan requirements
- Leveraging state investments in K-12 basic education for STEM outcomes, critical for job and Postsecondary readiness

**12:20 PM Next Steps – Gene Sharratt**

September 2016 meeting to shore up legislative recommendations  
Possible locations: Amazon (Seattle), Microsoft (Redmond)

**12:30 PM Adjourn**