



STEM Education Innovation Alliance

MEETING AGENDA

DATE December 9, 2020
TIME 10:00 AM to 12:00 PM
LOCATION Virtual Gathering | Microsoft Teams

TOPICS | State of Innovation Challenge, Forward Direction of STEM Alliance, STEM Dashboard

10:00 AM **Welcome & Introductions**
John Aultman | *Co-Chair*, STEM Alliance

Introduction of New STEM Alliance Co-Chair
James Dorsey | CEO and President, College Success Foundation

Introduction of New STEM Alliance Members
Lindsay Hopkins | Program Manager, AWS Educate Cloud Degree, Amazon
Erica Beckstrom | President, FIRST Washington
Dana Riley Black | Vice President of Education, The Museum of Flight
Evan Smith | Vice President, Technology Strategy and Business Transformation, Starbucks Corporation

10:15 AM **State of Innovation Challenge**
Update on the STEM Alliance's State of Innovation Challenge project, a virtual career connected problem solving challenge for middle school, high school, and out of school youth. The Challenge invites young people to work with teachers/adult advisors to design solutions to some of Washington's biggest problems and share them with the state. The project team will update on the Challenge launch and lead discussion with Alliance members on ideas for expanding reach and impact of the Challenge.

Julia Reed | Senior Consultant, Kinetic West

11:00 AM **Washington's STEM Talent Supply and Demand Dashboard**
The dashboard transitioned to the Office of Financial Management Education Research and Data Center (ERDC) a year ago and is being integrated into its family of data displays. The goal of the dashboard is to highlight metrics that measure the progress Washington State is making in STEM education offerings and achievement and in bridging the gap in workforce demand in STEM fields.

Jim Schmidt | Senior Forecast Coordinator, ERDC
Tim Norris | Data Manager, ERDC
Andrew Weller | Education Data Visualization Analyst, ERDC

11:30 AM

STEM Alliance Roadmap: Shaping the Alliance's Next Four Years

Kick-off for the STEM Alliance's future planning efforts to guide the STEM Alliance's activities and focus for the next four years. The STEM Alliance contracted with Kinetic West to assist with gathering member perspectives on the organization's vision, roles, and activities to improve STEM education and strengthen Washington State's STEM workforce. Presentation includes an overview of the upcoming member survey and next steps to create a roadmap.

Andy Ferrera | Principal, Kinetic West

Jenny Six | Senior Consultant, Kinetic West

12:00 PM

Meeting Adjourn

FOR MORE INFORMATION AND ASSISTANCE

Ellen Matheny (*STEM Alliance Manager*) welcomes you to contact her at:

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THE FRAMEWORK

VISION

All Washingtonians have the STEM skills necessary to live a life of opportunity and success in the state's thriving innovation economy and democratic society.



EARLY LEARNING-HIGH SCHOOL STUDENTS

Indicator 1: STEM awareness in Washington state

Indicator 2: Student interest in STEM fields

Indicator 3: Student STEM achievement among early learning-high school

Indicator 4: Student readiness for college-level study in STEM fields

Indicator 5: 21st century skills

Objectives:

- Inspire early learning through high school Washington youth through real-world stem learning opportunities
- Raise public awareness and support



EARLY LEARNING-HIGH SCHOOL EDUCATORS

Indicator 6: STEM classes led by effective educators from early learning-high school

Indicator 7: Teachers and school leaders with STEM-related degrees

Objectives:

- Prepare, support, and retain excellent early learning through high school STEM teachers
- Raise public awareness and support

Improve equity and opportunity by improving outcomes for underrepresented groups



POST SECONDARY AND EMPLOYERS

Indicator 8: Graduates from post-secondary institutions with degrees in STEM fields

Indicator 9: Alignment of STEM education programs with workforce needs of key economic sectors

Objectives:

- Prepare WA future workforce by graduating additional students with certificates and degrees
- Raise public awareness and support



ALIGNED SYSTEMS

Indicator 10: Partnerships and funding and resource allocation for STEM education and training in Washington state

Objectives:

- Raise public awareness and support