

STEM Innovation Alliance Meeting

June 26, 2024

Welcome & Framing

*Lynne K. Varner, CEO,
Washington STEM*

Agenda



Framing for the Day

Context: Themes from the Feedback

Recall: STEM Alliance Framework

Work Session: Recommendations to Envision Future of Alliance

Next Steps

STEM Alliance Recommendations Work Session

Jayme Shoun, Policy Director, Washington STEM

*Jenee Myers-Twitchell, Chief Impact Officer,
Washington STEM*

Min Hwangbo, Impact Director, Washington STEM

June 5 Feedback Session Themes

- Action
- Washington Jobs for Washington Kids/WA State Originators
- Access to Higher Education
- Educator Workforce
- Data Infrastructure
- Policy

Potential Indicators of focus:

- AI
- Math scores, math competencies (also came up in separate conversations)
- Access to Higher Education
- Educator Workforce- STEM Teachers
- STEM Jobs vs STEM Literacy

Do other states have a STEM Alliance?

(What we learned)

WHAT TO KEEP AND PROPOSE TO CHANGE

Keep:

1. General alliance structure
2. Regular meeting cadence (every quarter)
3. Different learning opportunities from external partners (ex. AI experts or Computer Science experts)
4. Staff to manage and coordinate
5. Long term goals
6. Providing policy recommendations

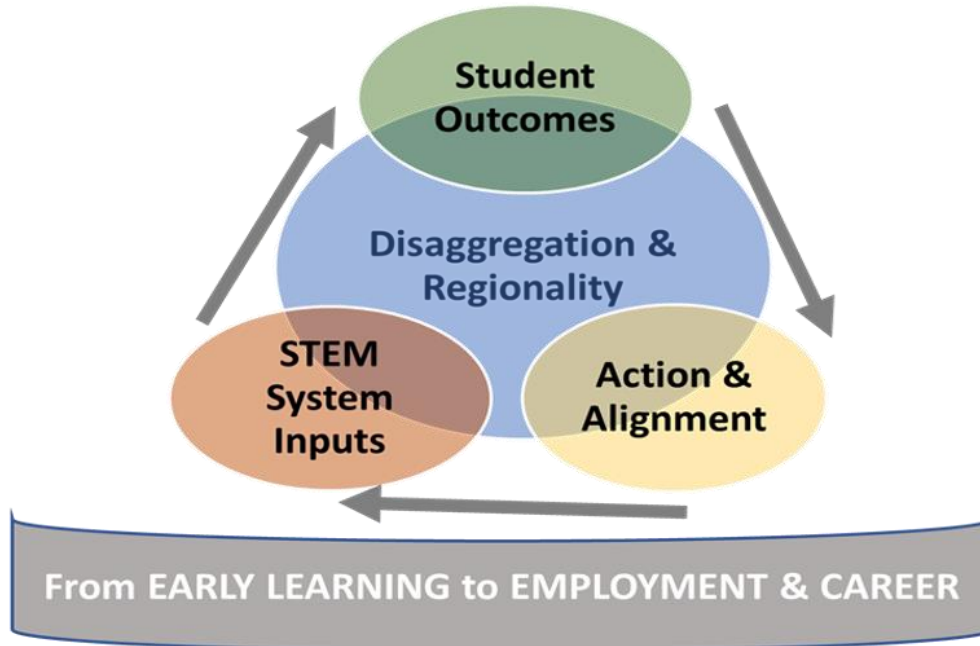
Propose to Change:

1. Framework Modification
2. Membership and Accountability
 - a. Draft Changes to RCW to Strengthen
 - b. Legislative Accountability
 - c. Charter?
 - d. Focused indicators/long term barriers
3. Vehicle/backbone organization
 - a. WSAC
 - b. Nonprofit
 - c. Another agency or organization?
4. Policy Recommendations
 - a. Driven by Alliance or Governor?
 - b. Bills and funding
 - c. Small group commitment
 - d. Limitations of members
5. Data

Framework Modification

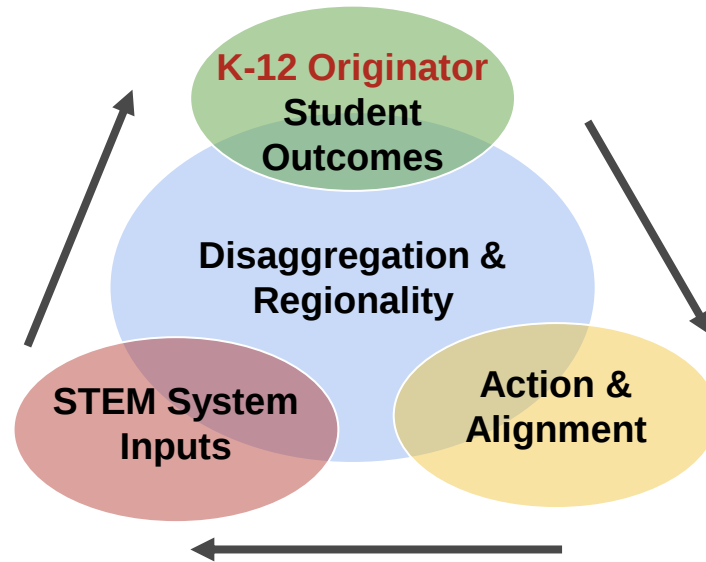
2022 Updated Framework

STEM Education Innovation Alliance Framework for Action & Accountability



2022 Adopted Framework + 2024 Suggested Updates

STEM Education Innovation Alliance Framework for Action & Accountability



From EARLY LEARNING to EMPLOYMENT & CAREER
for K-12 Originating Students

Summary of Added/Proposed for Replacement STEM Report Card Metrics Proposed (2022)

- STEM coursetaking (including gatekeeping course)
- Dual Credit coursetaking and use
- Student experiences (surveys & qualitative measures)
- WA originators who have gotten jobs in STEM sectors/industries
- Current & Projected STEM job openings
- K-12 STEM course availability
- Dual Credit course availability
- Disaggregation (K-12 originators, demogs, geography, programs, etc)
- Ensuring complementary reports and resources available in one place



STUDENT STEM OUTCOMES



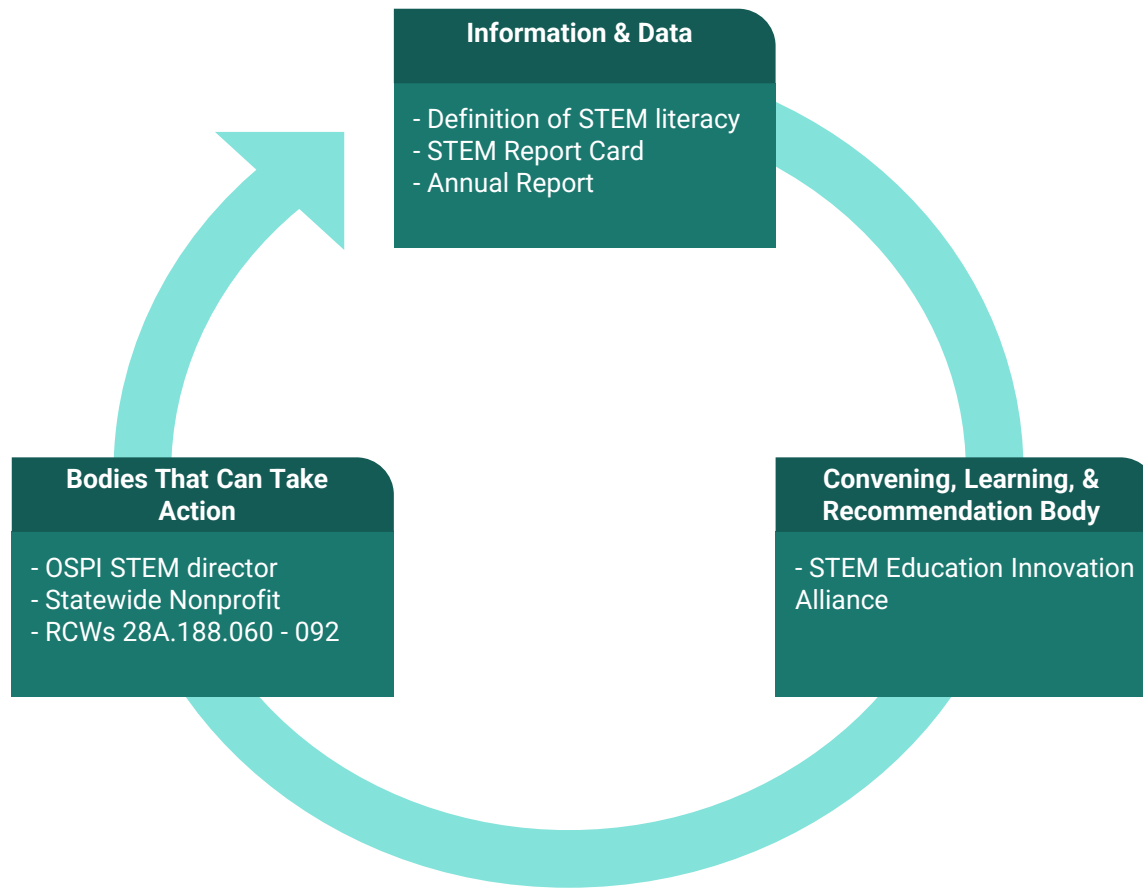
STEM SYSTEM INPUTS



DISAGGREGATION & REGIONALITY



ACTION & ALIGNMENT



STEM Alliance and Related Statutes: Relationship Intent

Membership & Accountability

Vehicle/Backbone to the STEM Alliance

Policy Recommendation Process

Data

Next Steps