



Inventory of STEM Education Networks

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Context

Over the past 30 years, STEM education networks have developed across the nation to advance the STEM learning opportunities and workforce development. These networked organizations represent a myriad of configurations that range in locus, focus, audience, activities, personnel, funding, etc. The STEM Network Inventory project, launched this fall and funded by the Network of STEM Education Centers (NSEC), is designed to create a synthesis of the national, statewide, intra-state regional networks or partnerships that advance the STEM education and workforce development national agenda.

Project Purpose

To develop an inventory of the statewide or regional STEM networks or partnerships that are available in each state and territory in the United States.

Definition of Network

A formal cross-sector partnership designed to advance access to and engagement with high quality science, technology, engineering, and mathematics learning experiences for all. Other subject areas (e.g., art, agricultural, health, etc.) may also be a part of the mission. Shared goals and respect for each stakeholder's role and needs are central to the collaboration.

Methodology

- **Fall 2016:** Undergraduate researchers
 - Internet searches; development of the spreadsheet using available information
 - Identification of STEM network leaders for phone interviews
 - Survey development and permission; email lists secured
- **Spring 2017:** Undergraduate and graduate researchers
 - Finalization of surveys and phone interview protocols
 - Phone interviews and surveys
 - Conference meetings: CHEP and NABI
 - Draft summary
- **Summer 2017:** Graduate researchers
 - Present at NSEC (sponsor)
 - Final report

Deliverables

- A spreadsheet inventory of the networks identified through internet search, surveys, and phone interviews. Details of each network to include:
 - Vision, mission, and goals
 - Activities and events
 - Infrastructure and governance
 - Funding and staffing
 - Communications
 - Evaluation plan and 'sharable' results, evidence of broader impact
 - Location
- Analysis of issues that impact successes and challenges; lessons learned
- A directory of STEM leaders in each state and territory

Current and "Near" Future Progress

- Have investigated all 50 states and territories (first full pass)
- Completed second search to fill in holes
- Presentation at the Conference for Higher Education Pedagogy
- Surveys and phone interviews in progress
- Contacting people in networks to provide additional details and other state STEM leaders
- Poster session at National Alliance for Broader Impacts
- Review of spreadsheet by advisory board - May
- Review of spreadsheet by consultant – June
- Presentation at the Network of STEM Education Centers – June
- Final report - July



... Need Your Input!

- Name of affiliated STEM network:
- State in which the network is based:
- STEM network web address:
- Network scope of coverage: national, state, regional, city/metro, other
- Network's STEM education activities: P-12 education, workforce development, community outreach, research, conference, grant-funded project/programs, other
- Network point of contact and contact info