



National Alliance for Partnerships in Equity Education Foundation

NSF INCLUDES:

Alliance for Broadening Participation in STEM and CTE Summary

(Updated December 18, 2018)

Never has the need for science, technology, engineering, and mathematics (STEM) workers been more critical to expanding our economy, ensuring our environmental stability, and maintaining our national defense capabilities. Today the United States is faced with the most significant workforce challenges in STEM where women, African Americans, Hispanics, Native Americans, Asian Pacific Islanders, persons with disabilities, and persons with low socio-economic status are in STEM jobs at rates lower than their U.S. population representation.

The passage of Perkins V and the increased emphasis on closing equity gaps in CTE and STEM in the law has created a significant opportunity for the CTE community, with support from NAPE, to impact this trend. This will require an “all hands-on deck” approach that brings the capacity of many organizations from all aspects of the education spectrum. The National Alliance for Partnerships in Equity Education Foundation’s (NAPE) National Science Foundation (NSF) funded STEM Equity Pipeline has been working in 20 states using a collective impact approach since 2007. In 2017, NAPE received a NSF INCLUDES Design Development Launch Pilot to work on developing a six state collective impact alliance with Colorado, Idaho, Wyoming, Utah, Nevada and New Mexico called the Intermountain (IM) STEM Alliance. IM STEM has been working on these collective impact elements:

- Common agenda focused on broadening participation of students underrepresented by gender, race and ethnicity, disability, and socioeconomics, in STEM and CTE.
- Shared measurement practices and systems in place to build upon as the alliance formation expands the partners and available data for measuring progress.
- Mutually reinforcing activities as defined by an asset map and a process for scaling effective practices across the alliance.
- Continuous communication mechanisms in place to ensure that all members of the alliance are informed and engaged in the work.
- Backbone support of a national organization (NAPE) with experience and capacity to help support and expand the alliance to more stakeholders in more states

NAPE is seeking partners from a diverse group of organizations around the country to form the Broadening Participation in STEM and CTE Alliance to apply for an NSF INCLUDES Alliance grant (<https://www.nsf.gov/pubs/2018/nsf18529/nsf18529.htm>). This application will be focused on the goal of increasing participation and closing achievement gaps in STEM education, including CTE at the middle school, high school and community college level. NAPE is seeking partners who represent organizations whose programs impact the formal STEM education system including: Departments of Education; Higher Education agencies; Minority Serving Institutions; governor supported STEM Action Centers; universities; secondary school districts; community and technical colleges; Department of Energy National Labs; non-profits and others. By employing a collective impact approach, the participating organizations will create a common agenda, identify shared metrics, implement mutually reinforcing activities, and maintain

continuous communication. The partners will identify effective practices focused on the common set of objectives and impact policy and investments to bring them to scale.

Initially the Alliance will form five workgroups to accomplish its shared mission and goals:

- Outreach/Growth: Identify and build on existing networks of key stakeholders that include government, educators, businesses, nonprofits, and community organizations, to align common agendas, objectives, and activities.
- Metrics, Data Collection, and Reporting: Strengthen improved data gathering to support root cause analysis and shared outcome measurement of critical juncture solutions, especially in the context of the new federal requirements for CTE at the state and local level to conduct equity gap analyses using disaggregated data at the program level
- Communications and Resource Sharing: Expand capacity of managed communication to develop effective partnership strategies within and among state STEM education and workforce stakeholders.
- Asset Map Building: Determine initial and potential long-term Alliance boundaries and opportunities
- Effective Practice Scaling: Define and develop a process for impacting policy development and resource investments to support and scale effective practices as measured by a tested evaluation rubric and identification process.

We would like to partner with your agency or organization to expand student access, deepen educational equity, and ultimately have greater workforce diversity in STEM. Please complete this form for more information and/or to indicate your interest in partnering - <https://goo.gl/forms/35fclesiDsOoJZ6K2>

Our timeline for this project is the following:

- Initial Interest (commitment not yet necessary): By Friday, December 21st
- Commitment: February 15, 2019
- Proposal Deadline: April 2, 2019

If you are interested in learning more about this project go to www.napequity.org/INCLUDESAlliance where you will find a ppt and recorded webinar to share with other partners.

If you have questions or for further information, please contact:

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