STEMworks – STEM Advisory Council’s Approved STEM Program  
October 2017

**STEM Equity Pipeline**

**Program Overview**
The National Alliance for Partnerships in Equity Education Foundation (NAPE) builds educators’ capacity to implement effective solutions for increasing student access, educational equity and workforce diversity. NAPE’s premier professional development program, The STEM Equity Pipeline is a research-based professional development and technical assistance program focused on increasing the participation of women, girls, Students of color and other underrepresented students in STEM related programs of study at the middle, high school and community college level. NAPE’s Comprehensive Educational Equity Programs include the Program Improvement Process for Equity™ (PIPE), and Micromessaging to Reach and Teach Every Student™ (Micromessaging) PIPE works with school-based teams of administrators, teachers, counselors and staff to change the institutional culture and Micromessaging works with teachers/faculty to change the culture of the classroom.

**Target Grades**
Primarily middle school, high school and community college – although we have done some implementation of the Micromessaging professional development with elementary school teachers and university STEM faculty.

**A Unique or Special Focus of the Program**
NAPE’s educator professional development programs build the capacity of educators to implement research-based strategies to increase the participation, persistence and transition of underrepresented students in STEM programs of study.

**The Program’s Impact on Students**
NAPE’s educator professional development has proven to increase achievement of females and students of color in STEM courses, increase science and math AP taking and passage rates, and increase the participation and completion of students in career and technical education programs nontraditional for their gender.

**Specific Skills Students Will Learn**
When teachers implement the strategies learned in the NAPE training they report that students exhibit the following social-emotional learning, career development, and academic skills –

1- Growth mindset
2- Positive self-efficacy
3- Improved self-regulation
4- Stronger internal attribution
5- Increased interest in STEM education and careers
6- Increased engagement in STEM learning
7- Increase persistence in STEM programs

**Resources Provided to Educators**
Resources include professional development, professional learning community (PLC) leader training and technical assistance, training workbooks, activity sheets, student lesson plans, supplementary toolkits on specific topics, online courses, infographic posters that illustrate concepts from the curriculum, real-time and archived webinars, research summaries, evaluation tools, reports, videos, posters, and best practice examples.

**Website**
www.napequity.org

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