



NAPE

# STEM CONNECTOR TOWN HALL

## INNOVATIVE MODELS IN TEACHER PROFESSIONAL DEVELOPMENT

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National Alliance for Partnerships in Equity

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# NAPE's Four Lines of Business

- Professional Development
- Public Policy
- Research & Evaluation
- Technical Assistance





# STEM Equity Pipeline

## Professional Development

- Program Improvement Process for Equity in STEM™
- Micromessaging to Reach and Teach Every Student™
- Focus on Counselor Initiative™





# NAPE's Educational Model: The Culture Wheel





# Micromessaging Academy

7 modules of research based instructional strategies, about 24 hours over 12-18 months

- Setting the Stage
- Micromessaging
- Neuroscience
- Social Learning Theory
- Influence of Culture
- STEM Careers
- The Equitable Classroom

Participants are in ongoing professional learning communities, classroom observations and conduct a capstone action research project



# Outcomes

- Increase in female enrollment in district-wide PLTW by 48% over 3 years
- Increase achievement of males and females on end-of-course assessments in chemistry and physics as compared to control group
- Increase in female AP test passage rates by more than 50% in chemistry and 100% in physics

# Expanding to Austin, TX

- Generous support from Freescale Semiconductor



- Working with team at Austin ISD





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[www.napequity.org](http://www.napequity.org)