



NAPE News

Dear Equity Leaders:

NAPE is requesting proposals for the 2016 NSEE on the following themes:

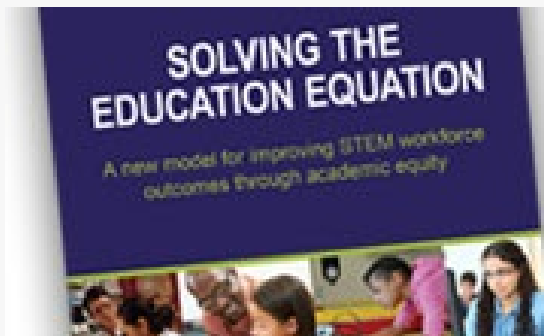
- Building a Diverse Workforce
- Strategies for Equitable Learning Environments
- Equity in Science, Technology, Engineering, and Mathematics (STEM)
- Innovations on Equity in Career and Technical Education (CTE)
- Public Policy-Supporting Equity and Education

[Learn more](#) and submit a proposal via [Survey Monkey](#) by December 18, 2015.

I would like to extend congratulations to Monica McManus, Lockheed Martin VP and NAPE Education Foundation board member, who was recently described by [Latina Style magazine](#) as a Latina passionately invested in the future of STEM fields.

Mimi Lufkin

[REGISTER NOW!](#)



NAPE and JHU release new report!

A new model for STEM workforce

[Read and share the report](#)



NAPE seeking proposals for NSEE!

Proposals are due December 18.

[Learn more about the NSEE](#)

Even With Hard Evidence of Gender Bias in STEM Fields, Men Don't Believe It's Real

Laurel Raymond, Think Progress

There's a growing mountain of evidence that women in the STEM fields face gender bias. A new study published by the PNAS shows another level of bias: Many men don't believe it is happening. [Read More >>](#)

9 Things Not To Say To Women In STEM, Because "You Must Be Super Smart!" Does More Harm Than You Think

Suzannah Weiss, Bustle

In a recent piece for TIME, a University of Toronto engineering professor details why "You must be super smart" is far from helpful for women working in male-dominated STEM fields to hear, and, indeed, this is just one of many things you shouldn't say to women in STEM.

[Read More >>](#)

A New Twist in the Fight Against Sexism in Science

Sarah Zhang, Wired.

A conversation about sexism in science broke open this year. Sharp organizing and social media are sparking real change. What was once whispered privately in laboratories and offices is being discussed publicly, loudly, and clearly. [Read More >>](#)

What Really Keeps Women Out of Tech

Eileen Pollack, The New York Times

Computer scientists and engineers are going to be designing the future that everyone inhabits. We need women and minorities to enjoy an ambient sense of belonging in those professions if the future they create is going to be one in which all of us feel at home. [Read More >>](#)

STEM Heroines: Math Role Models for Girls

Christian Science Monitor

Ruth Charney, president of the Association for Women in Mathematics (AWM), likens math to puzzle solving, opening up interest to math for kids who might only equate math to endless rules and equations. [Read More >>](#)

To Get Girls into STEM, Let Them "Play"-and Show Them the Money

Erika Fry, Fortune

U.S. CTO Megan Smith and Xerox CEO Ursula Burns talk strategy for making technical fields more diverse. [Read More >>](#)

Facilitating Gender Parity: One Engineering School's Journey

Sara Breselor, Make

At Thayer School of Engineering at Dartmouth College women make up nearly half of the junior and senior undergraduate classes. [Read More >>](#)

Chelsea Clinton and Sheryl Sandberg Address Silicon Valley's Gender Gap

'Crisis'

Cat Zakrzewski, Fast Company

Joining Facebook COO Sheryl Sandberg onstage, Chelsea Clinton said she wanted to see the private sector and government work together to show girls they can grow up to be like Sandberg and Mark Zuckerberg. [Read More >>](#)

Susan Wojcicki: A 'Sputnik' Moment for Women in Technology

Susan Wojcicki, CNN

My daughter was 10 years old when she told me she hated computers. As someone who has spent her career helping build one of the largest tech companies in the world, I was in shock. [Read More >>](#)

Facebook Launches TechPrep to Grow the Pipeline by Empowering Black and Latino Parents

Sarah Zhang, Wired

Facebook is launching TechPrep, a new initiative in partnership with McKinsey & Company, to offer resources like tutorials, videos and games for parents to help their kids pursue careers in computer programming. [Read More >>](#)

Slack Engineer Erica Baker: Diversity Efforts Need to Extend Beyond Gender

Megan Rose Dickey, Tech Crunch

Erica Baker, a build and release engineer at Slack, is making waves in tech right now. She's the ex-Google employee who released employee salary data at Google. She's also the one behind #RealDiversityNumbers. [Read More >>](#)

Former Googler on the Challenges of Being "Double Minority" in Tech

Lydia Dishman, Fast Company

Security engineer Jamesha Fisher found several supportive communities to boost her career amid the white-dude dominance of Silicon Valley. [Read More >>](#)

Native American Scientist Hopes to Spark Interest in STEM

Crystal Dey

The inter-workings of fireworks is what sparked Joshua Marceau's interest in chemistry as a young boy. Today, the 31-year-old is pursuing a doctorate in biomedical sciences. [Read More >>](#)

Resources

NSF is accepting entries from Community College Innovation Challenge teams proposing innovative STEM-based solutions for real-world problems within the theme of Innovations at the Nexus of Food, Energy and Water Systems. [Learn More >>](#)

Building Confident Learners: Empowering Girls in the Classroom are free resources for educators. [Learn More >>](#)

Video: Women in computing speak up, and out, at Grace Hopper 2015. [Watch Video >>](#)

People of Color in Tech highlights the current achievements of "people of color" within the sphere of technology and startups, and to inspire the next generation. [Learn More >>](#)

High School Benchmarks 2015 from the National Student Clearinghouse shows that only 6% of students in the class of 2008 from low-income, high-minority high schools earned a college degree in a STEM field within 6 years. [Learn More >>](#)

Do you see your students in STEM careers?

There are nothing but opportunities for those students thinking about careers in STEM. The field continues to shift, just as student perceptions do. That is why Destination Imagination, National Girls Collaborative, NAPE, and Educational Research Center of America (ERCA) are collaborating on a research project focused on high school students' perceptions of STEM careers. Our ultimate objective is to stimulate a dialogue on career pathways among parents, teachers and students.

By including your students as part of this important research project, you can help them:

- further consider their strengths, interests, and the career options open to them;
- receive targeted information from colleges, universities, career and technical schools, and other postsecondary institutions seeking to recruit students with their specific interests, talents, skill sets, and career goals; and
- gain more access to postsecondary scholarship opportunities.

You may have already received a package from The Research Consortium on STEM Career Pathways. If you did, please respond. If you didn't and you want one, please send your name, high school name, and complete school mailing address to ERCA at:

info@studentresearch.org with "STEM Career Survey" in the subject line to make sure you're on the list! Later this year, we will be posting information from the pilot phase of this project on our websites and the major, annual report will follow in 2016. Thank you for participating!

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