

Greer Institute for Leadership and Innovation



twitter [@Lead_Innovate](#)



[www.facebook.com/Greerinstitute](#)



[www.linkedin.com/company/greer-institute-for-leadership-and-innovation](#)

Melvin Greer
Managing Director
Senior Research Fellow
Greer Institute
melvin@greerinstitute.org

About: Scientific Literacy

The Greer Institute is a nonprofit, dedicated to improving the world through the *21st Century Leadership and Innovation™*. Our mission is clear: work to shape and elevate the conversation surrounding STE(A)M issues through rigorous research and public outreach.

The Greer Institute is a 501(c)(3) based in the Washington, D.C. Area.

Key Concepts

The heart of our approach is a demonstration of how leadership and innovation can answer many of society's most vexing problems.

Workforce and Talent Management

Understanding of today's workforce expectations and their need for innovation as part of work.

Harnessing of disruptive technologies

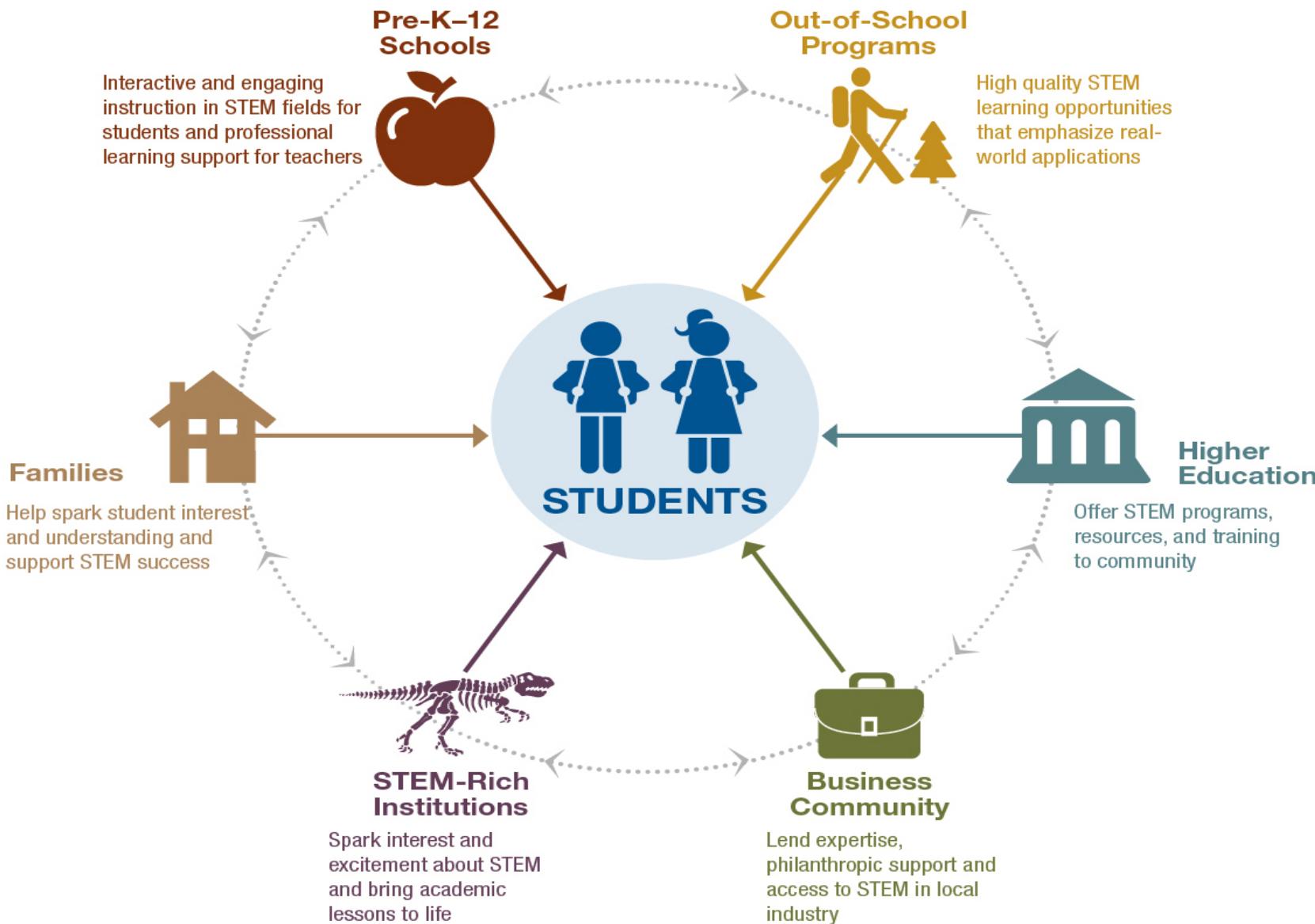
The ability to harness the disruptive innovations of social, mobile, analytics and cyber.

Creation of an innovation engine and culture

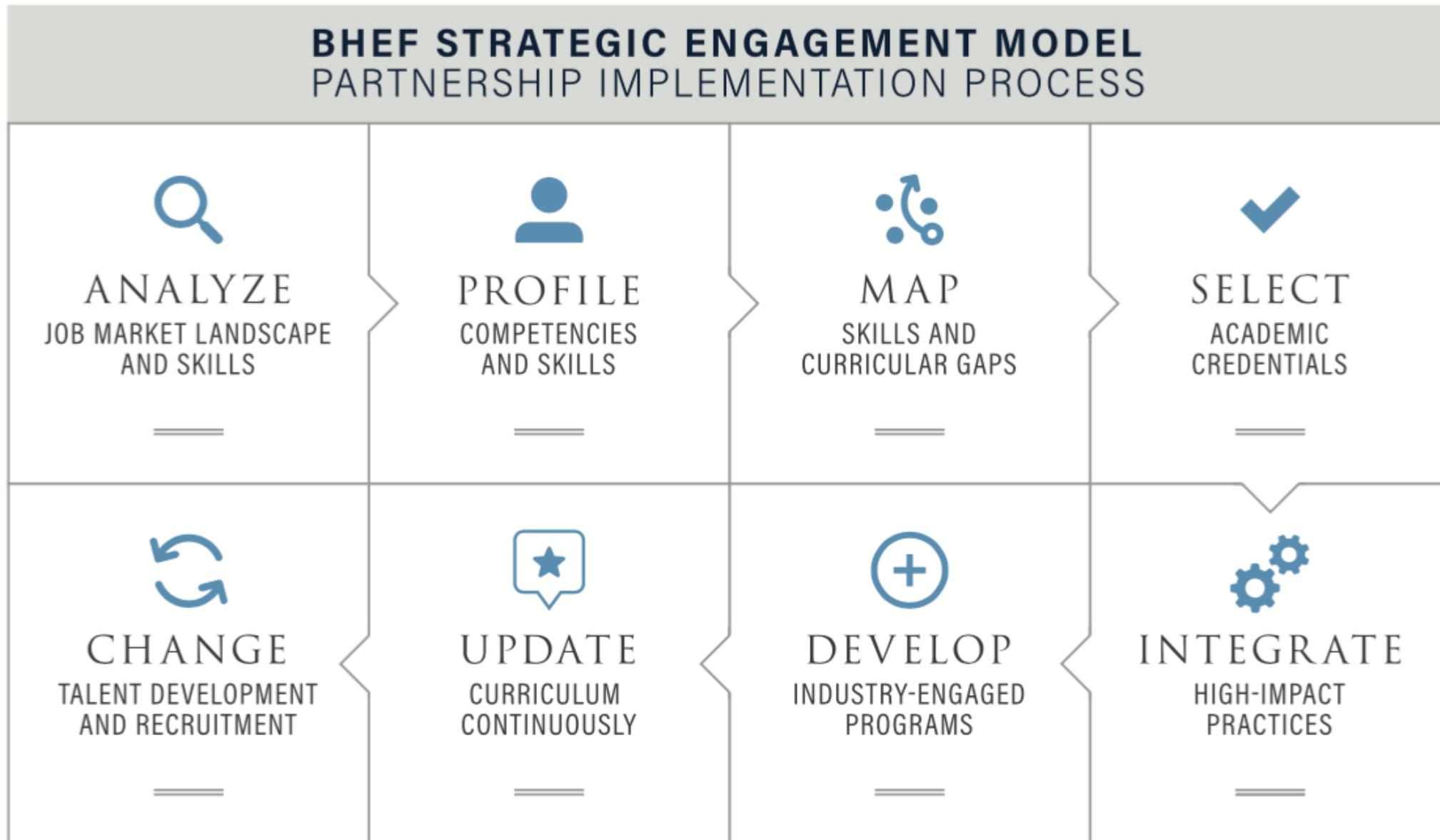
Generating an innovation engine via the education of future leaders via STEM and STEAM.



STEM Learning Ecosystem



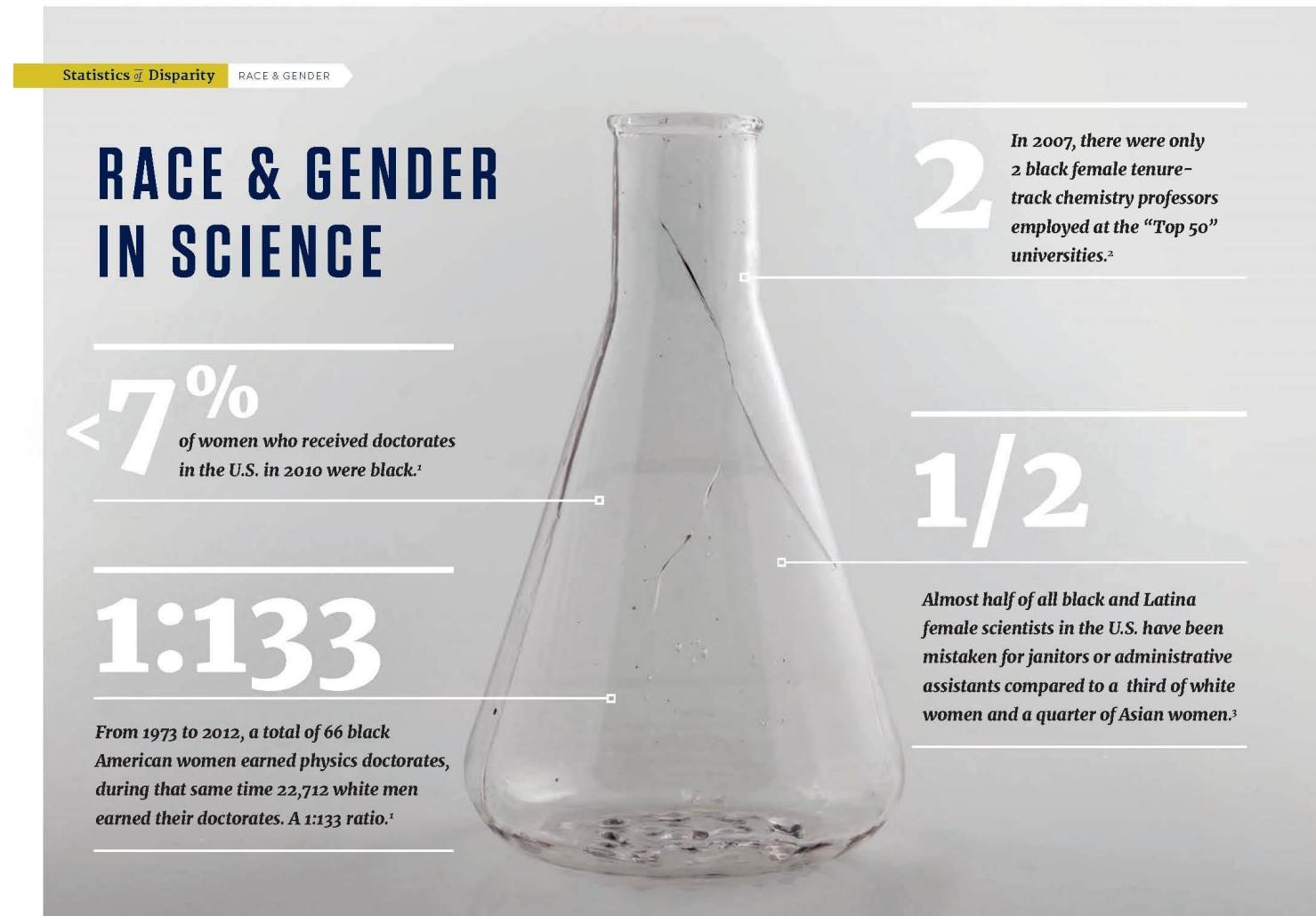
NAS Business-Higher Education Forum



Critical to Economic Development

Current Workforce Gaps

- 1.5M Cyber Analyst Jobs
- 2.7M Data Science Jobs



Adaptation of our pre-school-through-college curricula to encompass new techniques of learning and teaching

PAGE 16
STATISTICS OF DISPARITY
Race & Gender

► INFOGRAPHIC SOURCES
1. <https://www.nsf.gov/statistics/2016/nsf16300/dara/tabc1.pdf>

► INFOGRAPHIC SOURCES
2. Nelson, Donna J. A National Analysis of Minorities in Science and Engineering Faculties at Research Universities. University of Oklahoma, 2007.
3. <http://www.ucreadings.edu/news/articles/2015/01/doable jeopardy-report.pdf>

PAGE 17
www.asm.org/cultures

*Melvin Greer
Managing Director
Senior Research Fellow*

melvin@greerinstitute.org

703 544 5612

