



Reaching the Missing/Invisible Millions: An Update on NSF's Plans

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December 10, 2020

Workforce Vision: Missing Millions



Legend



x 100,000 people in 2020 S&E workforce



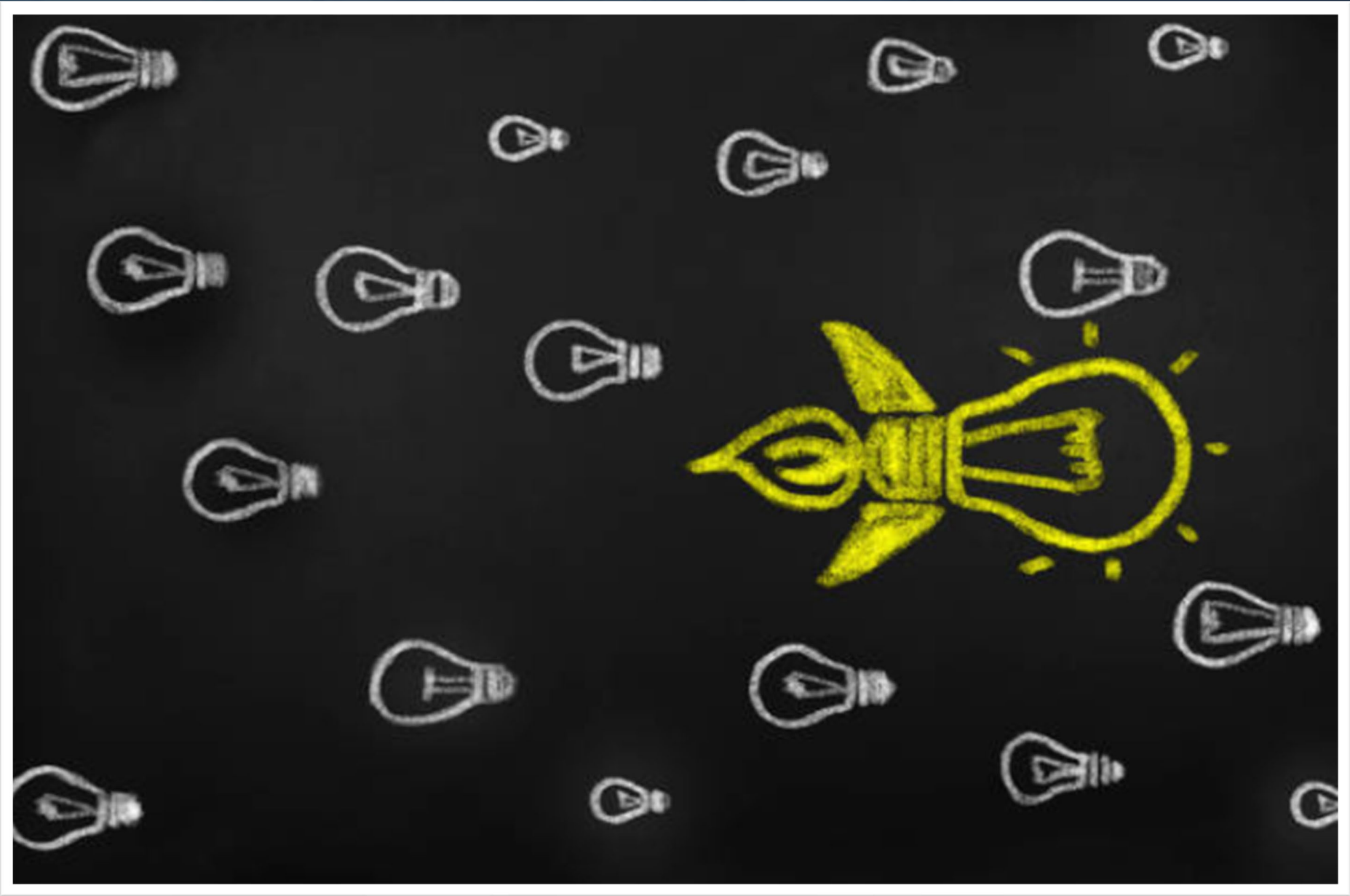
x 100,000 additional people needed in 2030 for the S&E workforce to be representative of the U.S. population

Workforce Vision: Missing Millions



Legend

 x 100,000 people in 2030 in the S&E workforce representative of the U.S. population



Cradle to Career



NSF's unique contribution



THE CHRONICLE OF HIGHER EDUCATION



Diversity Without Dollars

You think you can't afford to transform your faculty? The University of Houston begs to differ.

<https://www.chronicle.com/article/diversity-without-dollars>



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42% increase in tenure/tenure-track
faculty of color between 2014 and 2019

<https://www.chronicle.com/article/diversity-without-dollars>





NSF ROADMAP



K-12



K-12



80% of high school math and science teachers are white



48% of students in U.S. public schools are white





Community College



Undergraduate



Undergraduate

20% of Black,
Latinx, and White
students entered
college as STEM
majors



Undergraduate

20% of Black,
Latinx, and White
students entered
college as STEM
majors



Who left STEM majors?

37% of Latinx students
40% of Black students
29% of White students



Undergraduate

20% of Black,
Latinx, and White
students entered
college as STEM
majors



Who left college?

20% of Latinx students
26% of Black students
13% of White students





Graduate



- Identifying Areas of Greatest Impact and Developing Plans
- Repurposing Resources
- Garnering Additional Resources





Thank You!