AMERICA’S ECONOMIC FUTURE
Gen Z Hispanics may be the key to success

NEEDED: STEM PROFESSIONALS

NOW

Demand will Grow

3 in 4 CEOs have trouble filling STEM positions
8.8% between 2018 and 2028

FUTURE

Today’s Students = Tomorrow’s Workforce

Hispanics are 25% of the school-age population, second only to Whites
Hispanics are underrepresented in STEM
17% of U.S. workforce 5% of STEM workforce

High School Students like STEM, regardless of race/ethnicity

Like STEM subjects
Aspire to STEM careers

86% Hispanics
89% Whites/Asians
47% Hispanics
50% Whites/Asians

Divergences could affect Hispanic retention in the STEM pipeline

STEM COURSES

Seniors with 7+ STEM courses
20% Hispanics
31% Whites/Asians

STEM CONFIDENCE

Students with High STEM confidence
26% Hispanics
31% Whites/Asians

STEM career aspirants: "A" Students
34% Hispanics
52% Whites/Asians

COLLEGE ASPIRATIONS

Aspire to attend Community College
26% Hispanics
14% Whites/Asians

HISPANIC FEMALES merit special attention

Hispanic females are more likely than Hispanic males to be "A" students. But Hispanic Females are
- less likely to have a favorite STEM subject
- less likely to aspire to a STEM career
- less likely to have high STEM confidence

Hispanic Females VS. Hispanic Males

GPA: "A" Students
40% Hispanic Females
29% Hispanic Males

Have a favorite STEM subject
87% Hispanic Females
91% Hispanic Males

Aspire to STEM career
28% Hispanic Females
64% Hispanic Males

High STEM confidence
22% Hispanic Females
30% Hispanic Males

This infographic summarizes findings presented in a report from the Hispanic Heritage Foundation and the Student Research Foundation. "Hispanic and STEM: Hispanics are underrepresented in STEM today. But Gen Z’s Hispanics could change that. That report analyzes data from the Student Career Interest Survey sponsored by the Research Consortium on STEM Career Pathways. The Student Research Foundation distributed surveys to STEM teachers nationwide. 16,399 students (98% White and Non-Hispanic) were survey participants. All data is self-reported. The report was released in the 2018-19 academic year. To learn more visit http://www.studentresearchfoundation.org.

REFERENCES
http://forum.nmsu.edu/2019/12/business-routes-americans-walk-their-careers/
https://www.bls.gov/med/sales-and-service-employment.htm. This is dramatically higher than the 5% growth expected in non-STEM sectors.


See https://www.bls.gov/ann/2019.htm. Statistics are based on aggregation of three summary categories in the Current Population Survey: computer and mathematical occupations, engineering and architecture occupations, and life, physical, and social sciences occupations. The calculation includes occupational titles not defined as a STEM occupation by the BLS and does not include managerial and professional STEM teachers who are defined by BLS as STEM professionals.

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