Gender, STEM, & the Computing/IT Sector



OUR FOCUS



STEM: Computing

VS.

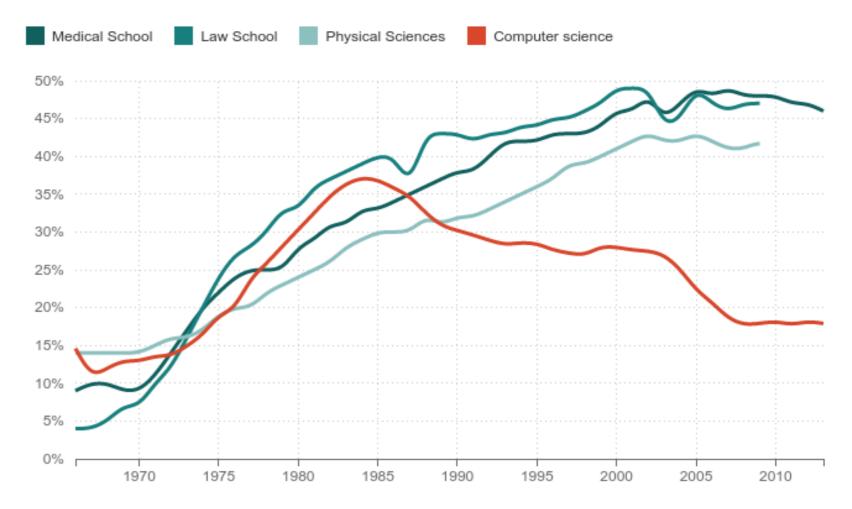


STEM: Non-Computing

Women's Declining Presence in Computing

What Happened To Women In Computer Science?

% Of Women Majors, By Field

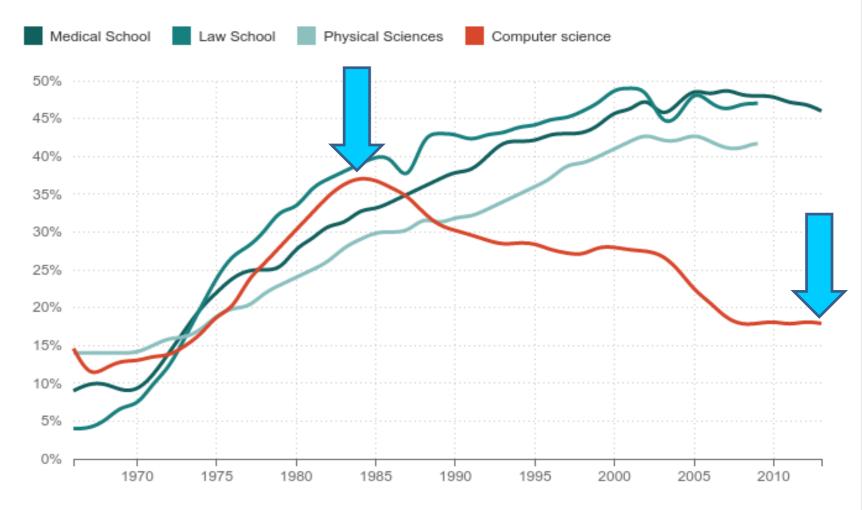


Source: National Science Foundation, American Bar Association, American Association of Medical Colleges Credit: Quoctrung Bui/NPR

Women's Declining Presence in Computing

What Happened To Women In Computer Science?

% Of Women Majors, By Field

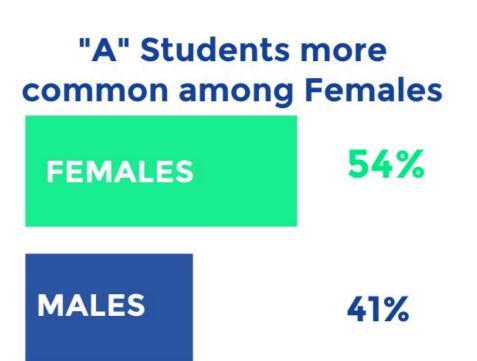


Source: National Science Foundation, American Bar Association, American Association of Medical Colleges Credit: Quoctrung Bui/NPR

Students Aspiring to Computing Careers

Males outnumber Females

İİİİ



79% of aspirants are Males and 21% are Females

NEEDED: Computer & IT Workers

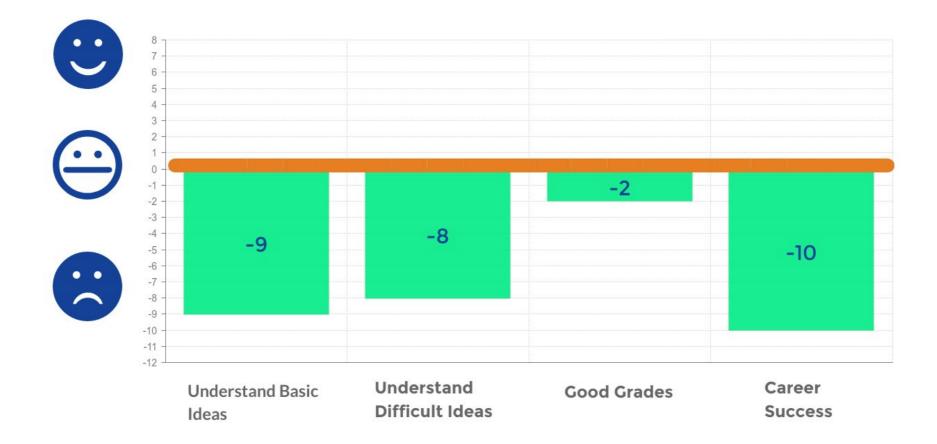


SOURCE: https://www.bls.gov/ooh/computer-and-information-technology/home.htm

Girls Interested in Computing are Unique

1

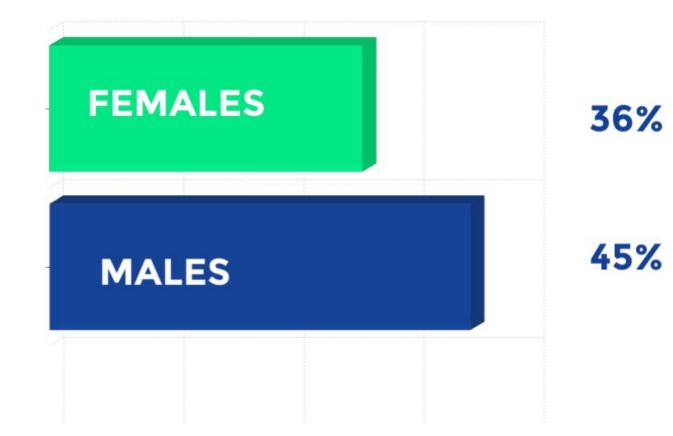
Gender Gap in STEM Confidence: Computing Aspirants



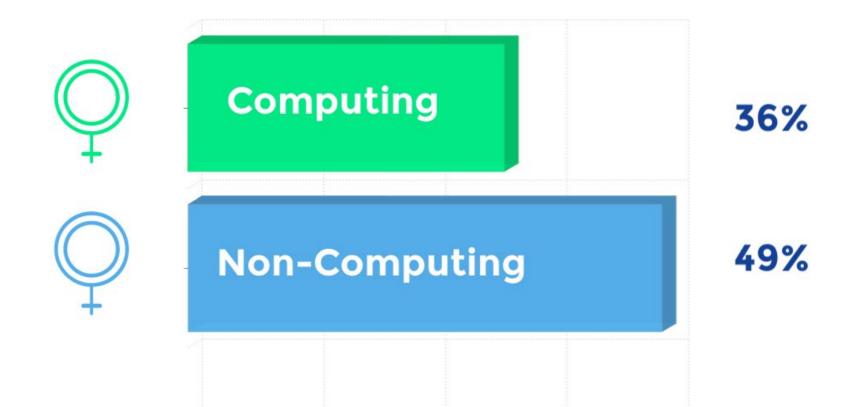
Gender Gap in STEM Confidence: Computing Aspirants vs. Other STEM Aspirants



Computing Career Aspirants: Confidence of Fair Treatment in STEM Classes



Fair Treatment in STEM Classes: Female STEM Aspirants

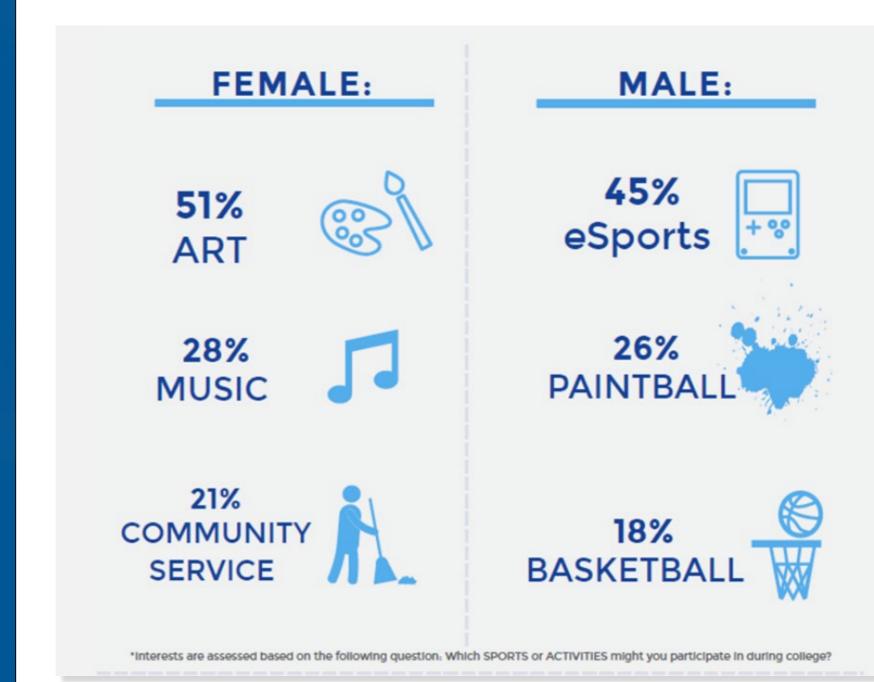


Computing Aspirants: What matters?

2

Ş

Gender Differences in Top Interests*



Do New Pathways to Computing Require New Interventions?

3

Uncertain of Post-Secondary Education Plans

Noncomputing STEM Career Aspirants

12%

Uncertain of Post-Secondary Education Plans

Noncomputing STEM Career Aspirants

12%

Computing Career Aspirants, *Interest in Art* as Extracurricular

26%

Uncertain of Post-Secondary Education Plans

Noncomputing STEM Career Aspirants

Computing Career Aspirants, *No* Interest in *Art* as Extracurricular

Computing Career Aspirants, *Interest in Art* as Extracurricular 12%

18%

26%

THANK YOU

Debra L. Dodson, Ph.D. Chief Research Scientist

609-658-0979 ddodson@studentresearchfoundation.org

Michael Conn, Ph.D. Executive Director

845-490-3279 michael@studentresearchfoundation.org

