

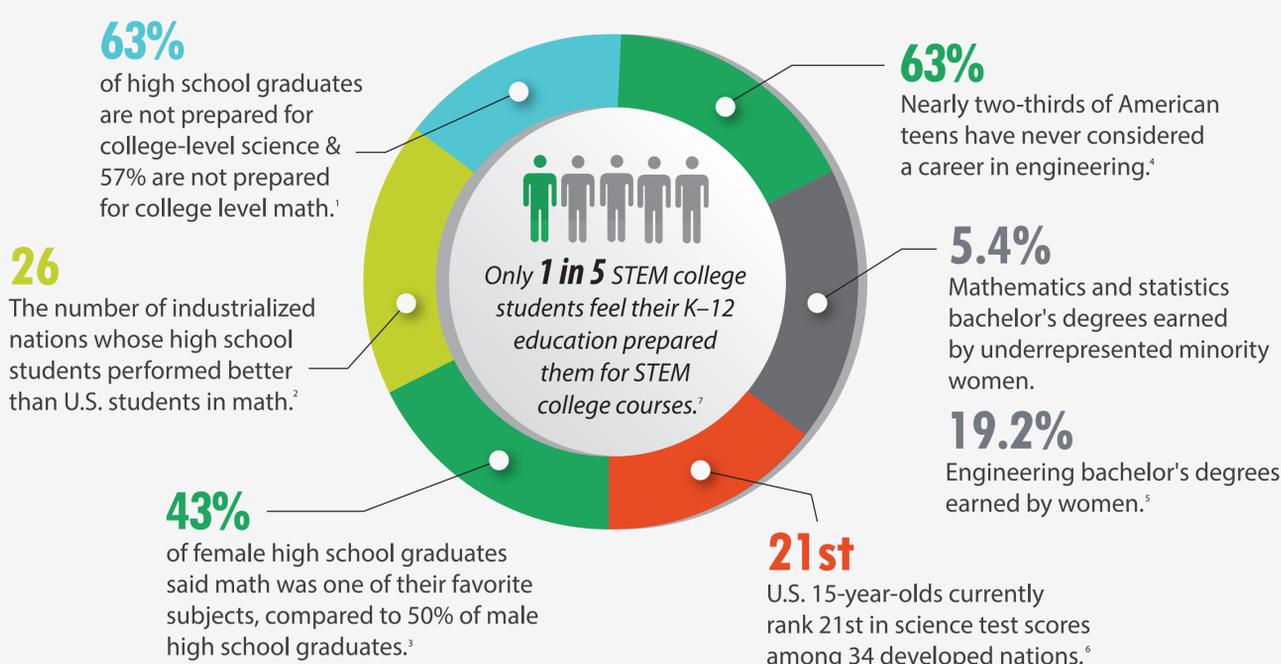
Bridging the STEM Attraction Gap

Hands-on Learning Works - Sparking Youth Interest in STEM (Science, Technology, Engineering & Math)

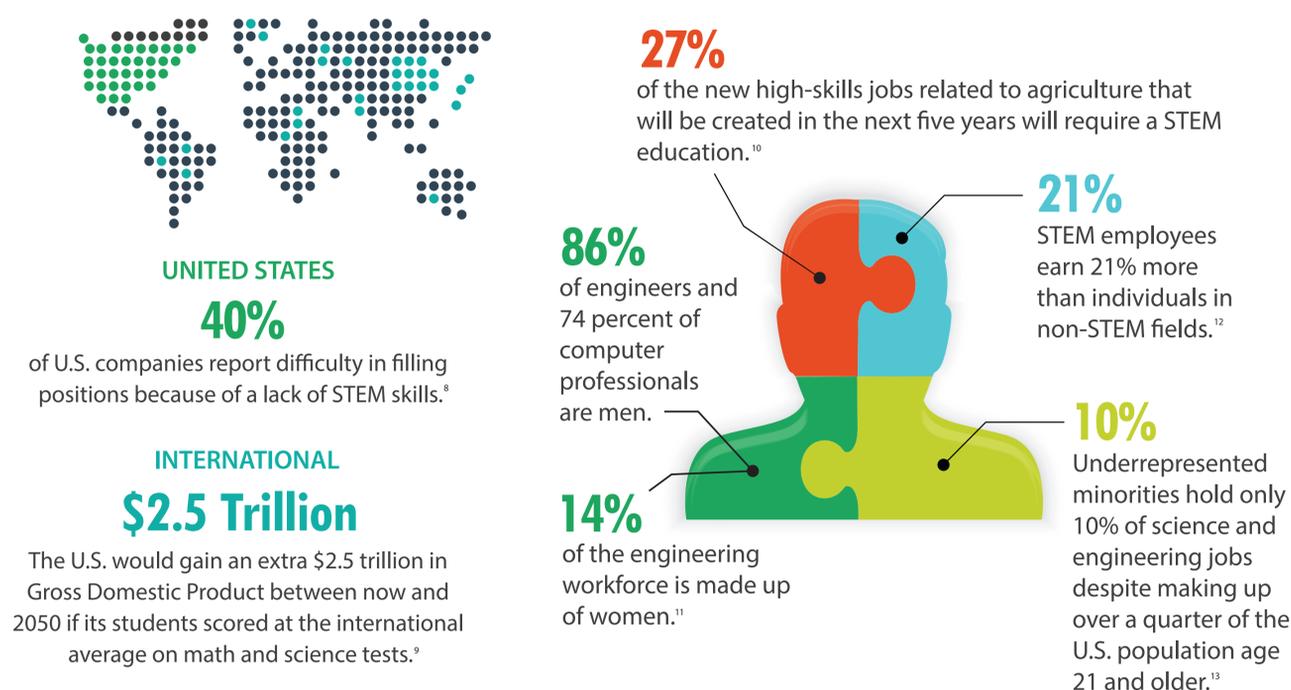


Join the national movement to spark more youth interest in science, technology, engineering and mathematics (STEM), especially for girls and minorities who remain under represented in STEM careers.

The State of American Youth



The State of America's Workforce



Hands-on Learning Sparks STEM Interest



Hands-on interactive projects get more students interested in science at an early age compared to the traditional lecture and textbook method.¹⁴

Students who physically experience scientific concepts understand them more deeply and score better on science tests.

7% Students who experienced hands-on science learning scored science quiz grades that were 7 percent higher than students who did not.¹⁵

66% of kids participating in STEM programs say their favorite thing is hands-on activities and projects.¹⁶

Top Ways Hands-On Learning Can Attract Youth to STEM

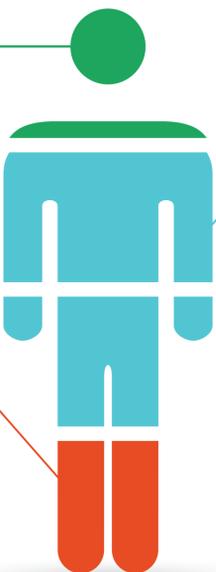
Grow interest in STEM-related jobs. ①

59% of youth would like to have a job related to science when they graduate from school.¹⁷

Create STEM leadership opportunities to build confidence. ③

69% of 4-H STEM program youth participants complete a STEM community service project.

51% of 4-H STEM program youth participants teach others about science.¹⁷



Make STEM fun and accessible beyond the classroom. ②

70% of youth say science is their favorite subject when participating in positive youth development programs.

60% do science-related activities not related to school work when participating in positive youth development programs.¹⁶

Note: All statements above are the outcomes of 4-H youth program evaluation.

Sources:

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