

STEM

Education

In anticipation of a more technological future, teachers need to guide K-12 students through the STEM pipeline to prepare them for STEM careers.

ELEMENTARY SCHOOL

KINDERGARTENERS

improve math scores on average by



points between fall and spring.

MASSACHUSETTS

fourth graders score the highest on NAEP math scores.

NEW HAMPSHIRE

fourth graders score the highest on NAEP science scores.



MIDDLE SCHOOL

The average NAEP math score for 8th graders is



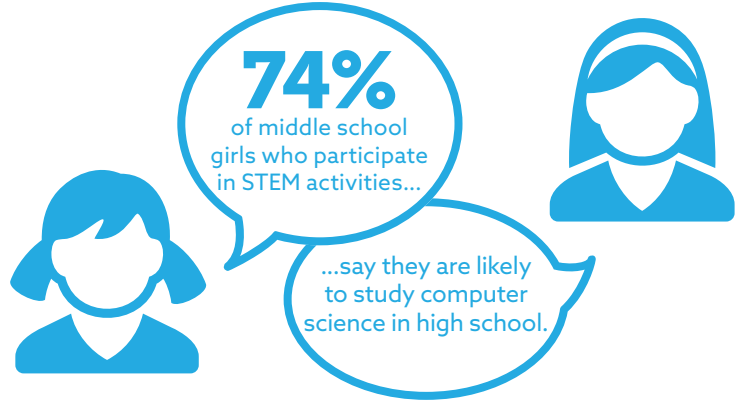
The proficient NAEP math score for 8th graders is



74%

of middle school girls who participate in STEM activities...

...say they are likely to study computer science in high school.



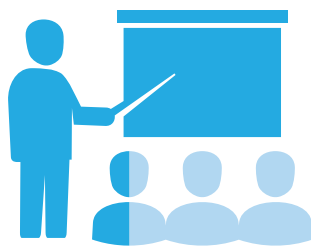
HIGH SCHOOL

ONLY 16.9%

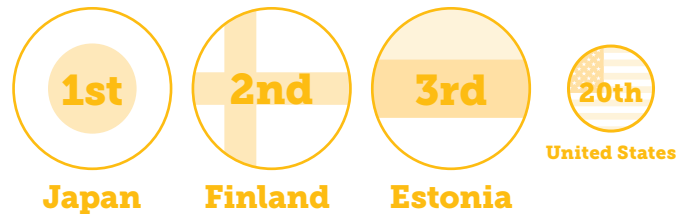
of students took an AP exam in math or science.

ONLY 9.1%

passed an AP exam in math or science.

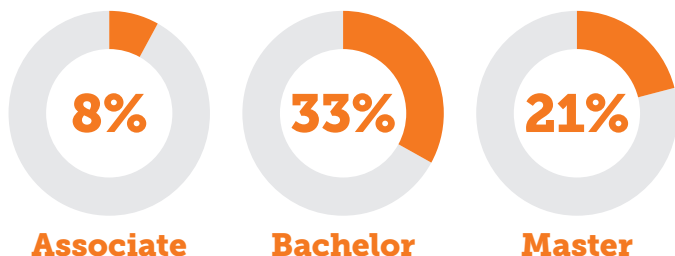


Science literacy for 15-year-old students by country:



COLLEGE

Science and Engineering Degrees by level:



54.4% of college freshman stayed in their STEM majors through graduation.

32.7% left for non-STEM majors.

