



TABLE 1-1 

Indicators of elementary and secondary school mathematics and science education

(Topic and indicator)

Topic	Indicator
Student learning in mathematics and science	<ul style="list-style-type: none">• Trends in fourth, eighth, and twelfth graders' mathematics performance through 2015• Eighth graders' technology and engineering literacy in 2014• Mathematics and science performance of first-time kindergarten students in the 2012–13 and 2013–14 school years• International comparisons of mathematics and science performance of students in grades 4, 8, and 12 in 2015• International comparisons of 15-year-olds' mathematics and science literacy in 2015
Student coursetaking in mathematics and science	<ul style="list-style-type: none">• Highest mathematics and science course enrollment of high school completers in 2013• Trends in participation and performance in the Advanced Placement program from 2006 to 2016
Teachers of mathematics and science	<ul style="list-style-type: none">• Certification, experience, and salaries of U.S. mathematics and science teachers in 2012• International comparisons of teacher salaries in 2014
Instructional technology and digital learning	<ul style="list-style-type: none">• Review of emerging practices of instructional technology and online learning and their effects on student learning
Transitions to higher education	<ul style="list-style-type: none">• Trends in on-time high school graduation rates from 2011 to 2015• International comparisons of secondary school graduation rates in 2014• Immediate college enrollment from 1975 to 2013• High school students reporting plans for a postsecondary STEM major in 2013• High school students meeting college readiness benchmarks in 2016

STEM = science, technology, engineering, and mathematics.

Science and Engineering Indicators 2018