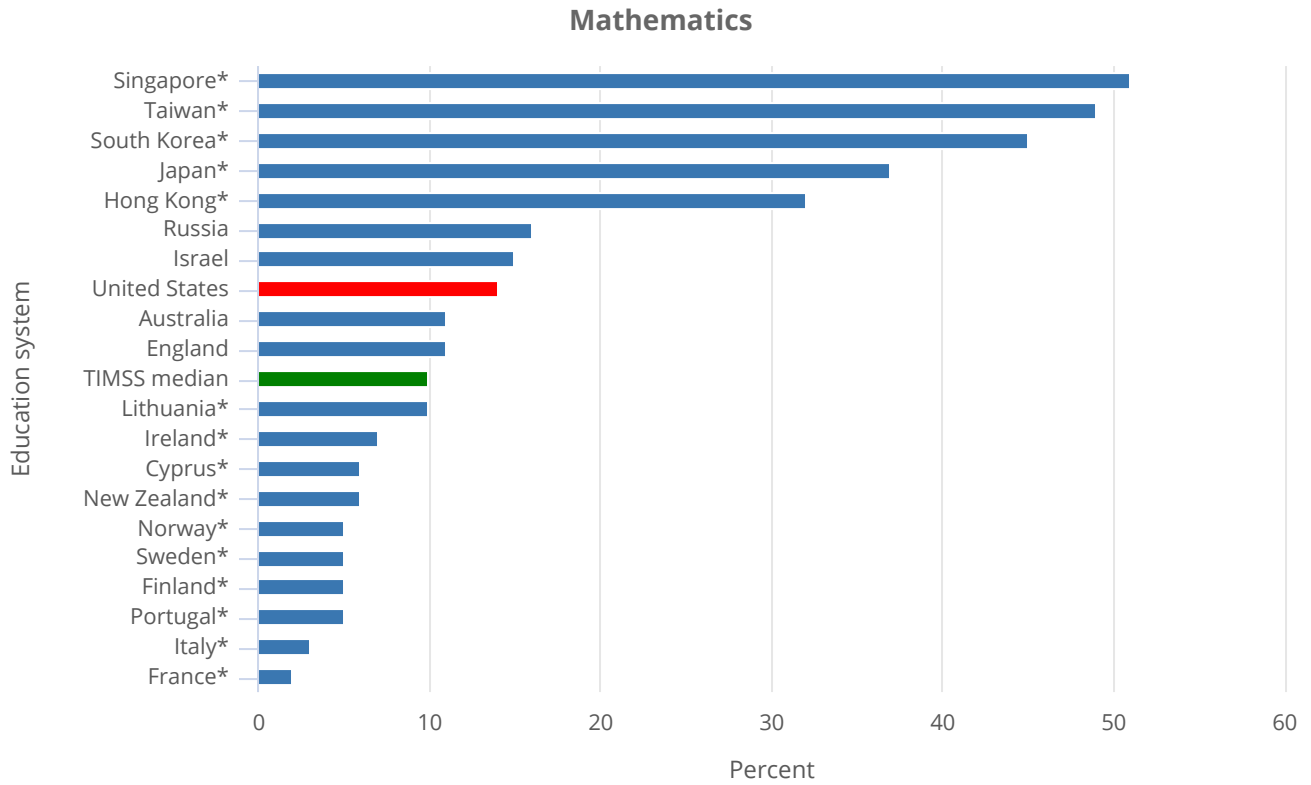
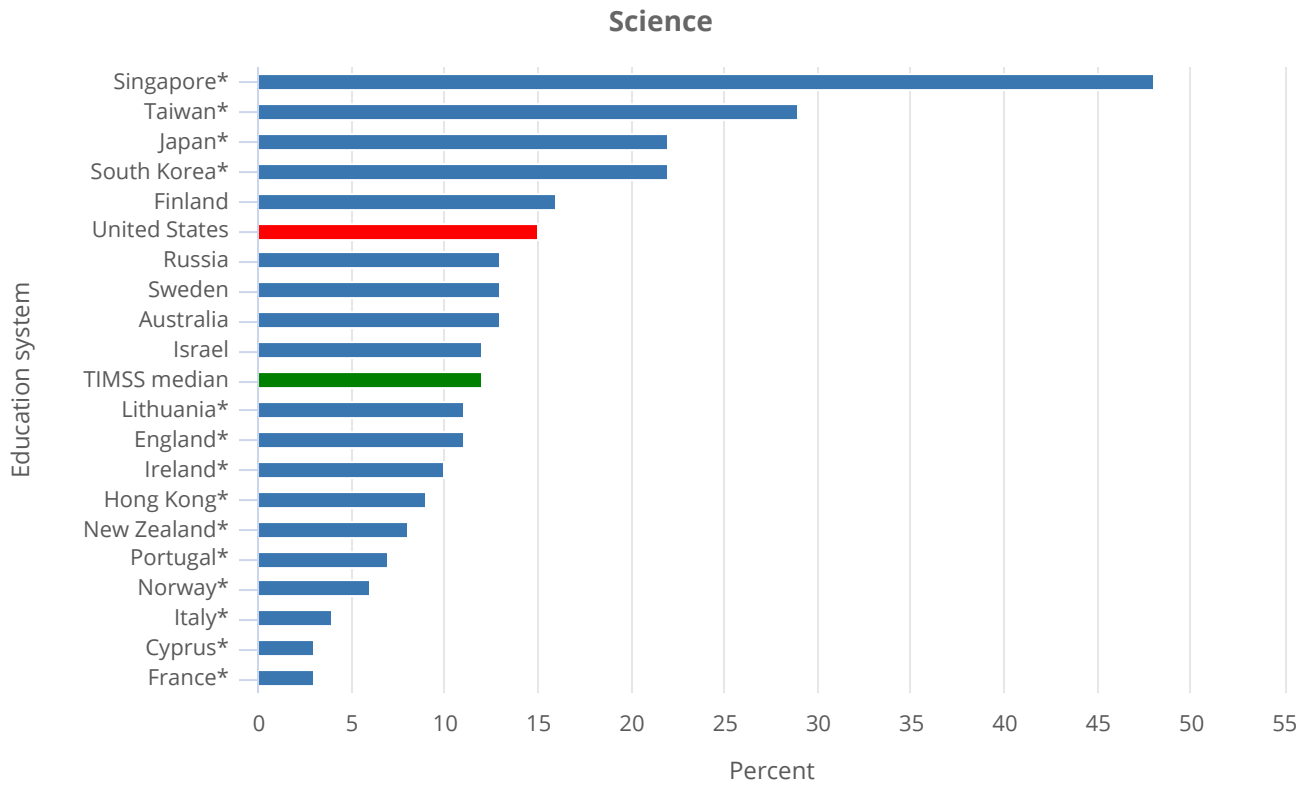


Figure K12-11

Students in grade 8 reaching the TIMSS Advanced International Benchmark in mathematics and science among participating advanced economies, by education system: 2019





\*  $p < 0.05$ . Significantly different from the U.S. estimate at the 0.05 level of statistical significance.

TIMSS = Trends in International Mathematics and Science Study.

**Note(s):**

TIMSS participants include countries, which are complete, independent political entities, and non-national entities (e.g., Hong Kong). Advanced economies are based on the International Monetary Fund (IMF) designation of advanced economies (IMF 2022). IMF does not classify Russia as an advanced economy, but it is included in this analysis because it is a large economy with high levels of student achievement. Education systems are ordered by the percentage of students reaching the Advanced International Benchmark in mathematics and science. For Norway, there are 9 years of formal schooling; this education system chose to administer TIMSS at a different grade than other education systems (8 years of formal schooling).

**Source(s):**

International Association for the Evaluation of Educational Achievement, TIMSS, 2019.

*Science and Engineering Indicators*