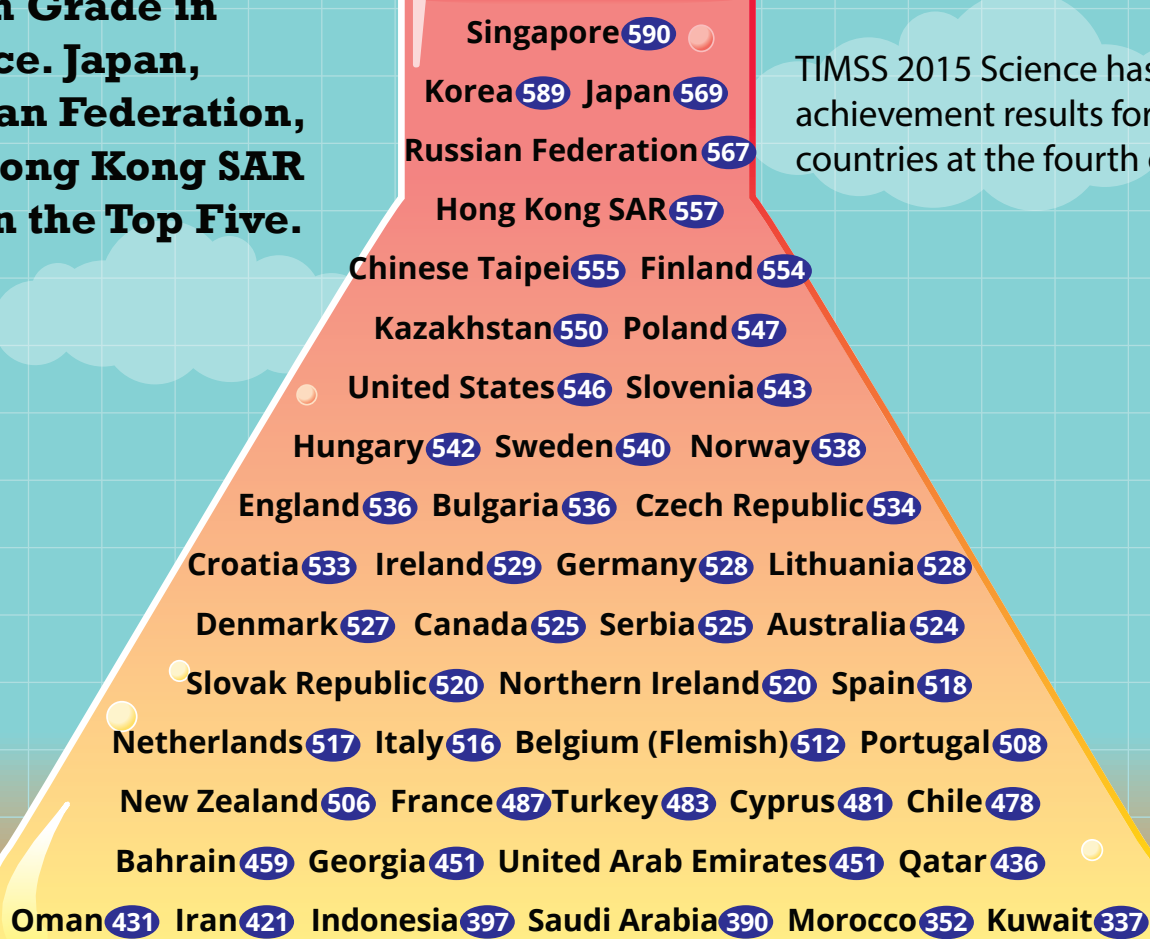


International Science Achievement

Singapore and Korea the Top Achievers at Fourth Grade in Science. Japan, Russian Federation, and Hong Kong SAR also in the Top Five.



TIMSS 2015 Science has achievement results for **47** countries at the fourth grade.

Please see Exhibit 1.3 for statistically significant differences.

Trends at Fourth Grade Show Increases in Science Achievement Around the World

Trends 2011-2015: 41 Countries

17 Countries Higher Average Achievement

Australia, Bahrain, Croatia, Hong Kong SAR, Ireland, Japan, Kazakhstan, Lithuania, Morocco, New Zealand, Oman, Qatar, Russian Federation, Slovenia, Spain, Turkey, United Arab Emirates

16 Countries Same Average Achievement

Belgium (Flemish), Chile, Chinese Taipei, Czech Republic, Denmark, England, Georgia, Germany, Hungary, Korea, Northern Ireland, Norway, Serbia, Singapore, Sweden, the United States

8 Countries Lower Average Achievement

Finland, Iran, Italy, Kuwait, Netherlands, Portugal, Saudi Arabia, Slovak Republic

Trends 1995-2015: 17 Countries

11 Countries Higher Average Achievement

Cyprus, England, Hong Kong SAR, Hungary, Iran, Ireland, Japan, Korea, Portugal, Singapore, Slovenia

4 Countries Same Average Achievement

Australia, Czech Republic, New Zealand, the United States

2 Countries Lower Average Achievement

Netherlands, Norway

In TIMSS 2015, No Difference between Boys and Girls in Science Achievement in More than Half the Countries

Of the 47 TIMSS 2015 Countries:

- **25** countries had no difference between boys and girls in average science achievement.
- Boys had higher achievement in **11** countries, with an average difference of **8** points.
- Girls had higher achievement in **11** countries, with an average difference of **24** points.



20-year Trends Show Reduction in Boys' Advantage in Science Achievement

Trends 2011-2015: 41 Countries

- In 2011, boys had higher average achievement in **13** countries, compared to **8** countries for girls.
- In 2015, boys had higher average achievement in **11** countries, compared to **10** countries for girls.
- Among the **41** countries, there was no average achievement difference between boys and girls in **20** countries in 2011 and **20** countries in 2015.

Trends 1995-2015: 17 Countries

- In 1995, boys had higher average achievement than girls in **10** countries, with an average difference of **14** points. There was no average achievement difference in **6** countries.
- In 2015, boys had higher average achievement than girls in **7** countries, with an average difference of **8** points. There was no average achievement difference in **10** countries.