

Who else is teaching Data Science in K-12?

Data is changing the world as we know it. Other countries across the globe have taken steps on the national level to integrate data science into their K-12 education system.

The U.S. needs to take action to remain competitive.

These countries are investing in data literacy for every student:



China

Key features:

- Revamped entire math curriculum in 2019 for 21st century
- Added a standard semester for "big data," statistics, coding, and modeling
- Reformed *gao kao* national college exam to prioritize data and statistics



Israel

Key features:

- National security priority for data and information literacy
- 11% of all high school students enrolled in Data Science in its first year, developing middle school path
- 76% passage rate on national exam for data science



Germany

Key features:

- National summit on K-12 Data Science in 2017 catalyzed work
- Investment from Deutsche Telekom Stiftung (T-Mobile) grew curriculum for grades 5-6, 8-10, 12
- High school course implemented for 4th year in a row in 2022



Scotland

Key features:

- \$300 million invested to become "data capital of Europe"
- Launched 8-year program for data literacy and data citizenship in schools
- National Progression Award (NPA) for recognized credential in Data Science



South Korea

Key features:

- National education reform in 2015 to prepare for automation of work
- Technology curriculum modified for data science, AI, machine-learning
- Data literacy content taught in elementary schools



New Zealand

Key features:

- 2013 integration of data science techniques in math
- High school students learn predictive modeling, APIs, and other advanced data wrangling
- Long-time global leader in statistics education