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