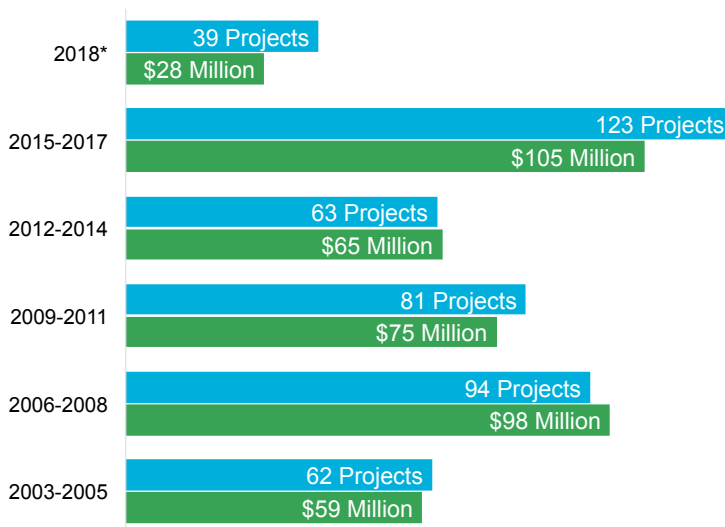


The Innovative Technology Experiences for Students and Teachers (ITEST) program was established in 2003 by the National Science Foundation

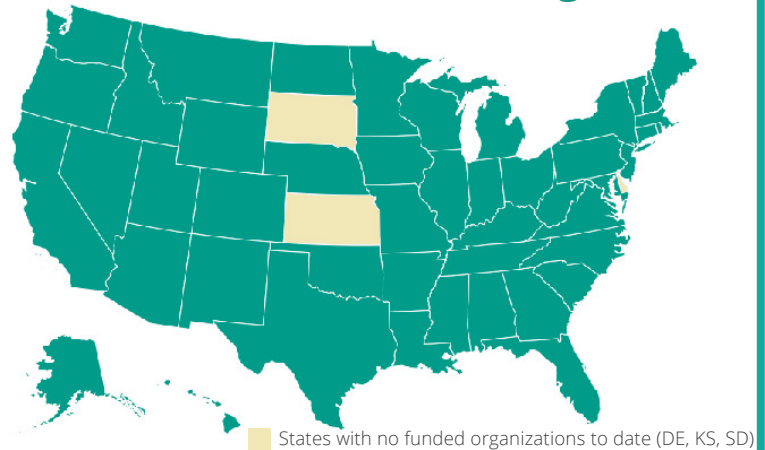
Since 2003, NSF has invested over **\$430 MILLION** in more than **462 ITEST projects^a**



^a2018 data as of October, 2018

Funding for the ITEST program is provided by revenue from the **H-1B visa program**, which permits overseas workers to fill vacant U.S. engineering, science or mathematics positions.

...and has awarded funding to organizations located in **47 STATES & Washington D.C.**



As of 2017, the ITEST program has served:

- 833,300 youth**
- 51,500 educators**
- 10,600 parents & caregivers**

The ITEST program seeks to enrich the formal and informal learning experiences of PreK-12 students by supporting projects that:



ITEST Project STUDIO: Build Our World

Increase awareness

of STEM and ICT careers

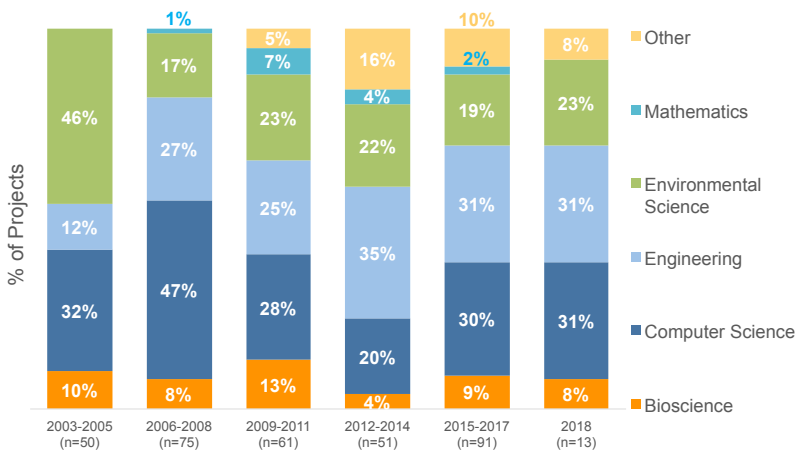
Motivate students

to pursue the education necessary to participate in those careers

Provide students with technology-rich experiences

that develop their knowledge of related content and skills (including critical thinking skills) needed for entering the STEM workforce

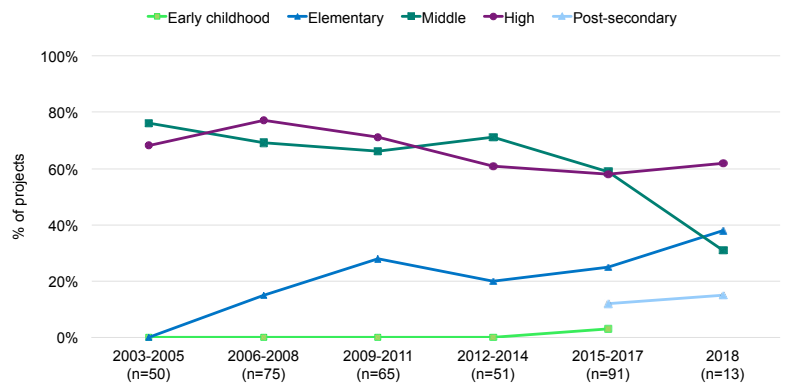
Since 2003, ITEST projects have engaged participants in activities across a variety of STEM disciplines



ITEST youth and educators learn to use cutting-edge technologies

- Visualization/computer modeling
- Multi-media authoring
- Game development
- Simulations & virtual reality
- Geospatial technologies
- Imaging technologies
- Wearable technologies
- Energy monitoring devices
- Mobile air quality detection systems

ITEST Projects span grades PreK -12



ITEST Project Middle School Pathways in Computer Science

Broadening Participation:

NSF's mission calls for broadening the participation of groups, institutions, and geographic regions that are underrepresented in STEM disciplines - which is essential to the health and vitality of science and engineering.

ITEST projects engage with multiple types of partners



Of the youth participants served directly by ITEST projects:

54% are from racial groups underrepresented in STEM

These groups represented 29% of the total US adult population, but only 13% of the science and engineering workforce in 2013.^c

40% are girls

Women comprised only 29% of science and engineering workers, although they accounted for half of the overall college-educated workforce in 2013.^c

32% of College & University partners are Minority Serving Institutions

Sources and references:

- "Projects" are defined as all awards under a project title - collaborative awards are counted as a single project
- Includes projects awarded funding in 2018 under NSF Solicitation 17-565
- National Science Board, *Science and Engineering Indicators 2016*

Data for this report was derived from:

- NSF report of all ITEST awards
- Management Information System (MIS) survey data from 2017 (n=81)
- Longitudinal MIS survey data from 2003-2017 (n=386)

