5.5 million

students engaged in STEM experience

59%

DiscoverE educators teach in Title I schools

$0

cost to student to participate

80 Coalition Members

22 Advisory & Diversity Council Members

10 Leadership Council Members

ENGINEERS WEEK

One student told me they were going to become an Engineer or a YouTuber but after Engineers Week, engineering was winning!”

Patty Mold,
Twinsburg City Schools, Ohio

Oh! so that is how math can be applied — for real...said a student”

Dave Newill,
Engineers Week Volunteer, IN

87% of volunteers and educators agree access to DiscoverE’s free resources is important to their ability to engage students in STEM.

*114 Average number of students reached per educator and volunteer.

48% Girls

52% Boys

STUDENTS’ IDENTIFIED GENDER

A family attends Lakota Public School’s Engineers Week event on Feb 24, 2022.

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INTRODUCE A GIRL TO ENGINEERING DAY

Volunteers & Girls at the SPARK Girl Day event on March 26, 2022.

“Girls love to see so many women featured in engineering. It gives them a sense of pride.”
Erica Bair, Longfields Elementary, MD

STUDENT REPORTED GAINS

**Understanding of Engineering**
- Before Event: I knew what an engineer did
  - Before Event: 72%
  - After Event: 61%
  - After Event: 92%
- After Event: I knew what an engineer did
  - After Event: 96%

**STEM Skills**
- My ability to think of different ways to solve a problem improved
  - Before Event: 79%
  - After Event: 85%
  - After Event: 78%
- My confidence in designing and building improved
  - Before Event: 74%

TEACHER REPORTED GAINS

**STEM Skills**
- Practiced problem solving skills
  - Before Event: 88%
  - After Event: 95%
- Utilized the engineering design process
  - Before Event: 83%
  - After Event: 88%
- Gained confidence in ability to do engineering activities
  - Before Event: 86%
  - After Event: 90%

Students’ Race & Ethnicity

- Caucasian: 50%
- Hispanic: 22%
- African American: 20%
- Asian: 12%
- Native American: 3%

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CHATS WITH CHANGE MAKERS

7 Episodes
Featuring engineers and technicians from our coalition partners: ASCE, ASME, IEEE, NASA, Northrop Grumman, NSBE, NSPE, and SHPE.

120,493
Live & OnDemand Views

9 out of 10 educators and volunteers rate Chats as effective or highly effective.

“
My students are enjoying DiscoverE’s hands-on activities and Chats with Change Makers. They were shocked that the interviewer was a high school student and were extremely excited when they heard their questions and got an answer directly from the interviewee.”
Keri Halgerman and her 5th grade class attended 6 of the 7 live events, Beatty Park Elementary School, Ohio

THE PERSIST SERIES

IDENTIFIED GENDER OF VIEWERS

80% Women
20% Men

Age of Participants

29.8%
28.5%
27.4%
13.2%

18–24 years
25–34 years
35–44 years
45+

212,348
Live & OnDemand Views

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This was our first year, and all of the students that participated are planning to return next year. It is a program that is essential for building interest in our students for STEM and for future engineering careers.

Future City Educator

“I think future city is an easy way to have students have fun and learn about engineering.”

7th grade student

92% of educators say Future City improved their students’ problem-solving skills

8 out of 10 students report they will be able to use the engineer design process on future projects

1,254 educators worked with 30,000 students