

# 2021–2022 Impact Report



**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

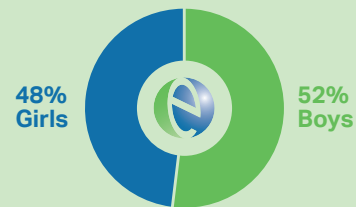
## ENGINEERS WEEK



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

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

### STUDENTS' IDENTIFIED GENDER



\*14 Average number of students reached per educator and volunteer.



*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

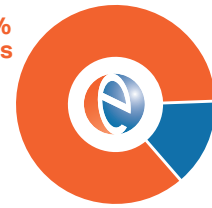
# INTRODUCE A GIRL TO ENGINEERING DAY



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

## STUDENTS' IDENTIFIED GENDER

86% Girls



14% Prefer not to answer



*Girls love to see so many women featured in engineering. It gives them a sense of pride."*

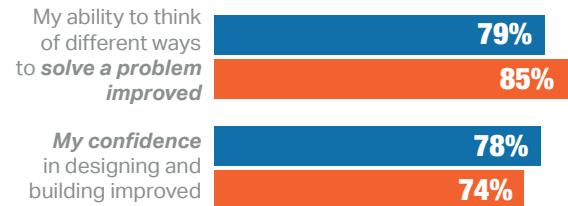
Erica Bair,  
Longfields Elementary, MD

## STUDENT REPORTED GAINS

### Understanding of Engineering

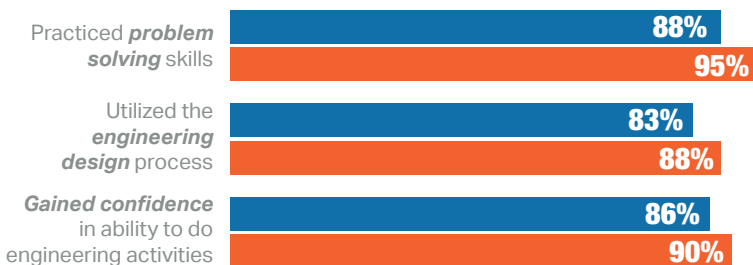


### STEM Skills



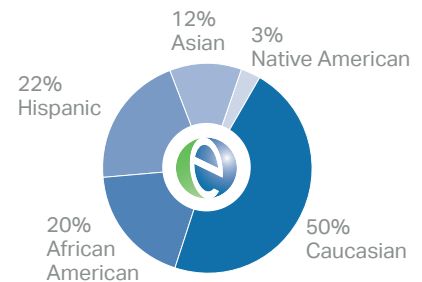
## TEACHER REPORTED GAINS

### STEM Skills



Engineers Week Event Participant      Girl Day Event Participant

## Students' Race & Ethnicity



# 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 Helgerman and her 5th grade class attended 6 of the 7 live events, Beatty Park Elementary School, Ohio

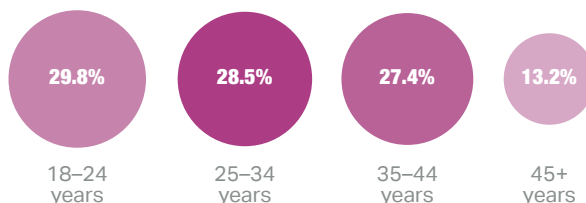
# THE PERSIST SERIES



## IDENTIFIED GENDER OF VIEWERS



## Age of Participants



**212,348**

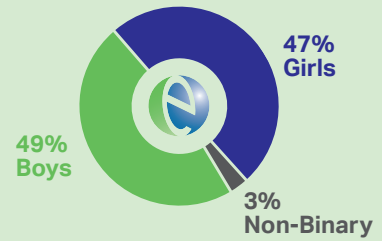
Live & OnDemand Views



# FUTURE CITY



## STUDENTS' IDENTIFIED GENDER

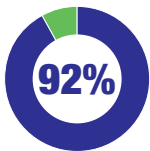


*This was our first year, and all of the students that participated are planning to return next year. It is a program that is essential for building interest in our students for STEM and for future engineering careers.*

Future City Educator

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

7th grade student



of educators say Future City **improved** their students' **problem-solving skills**

**1,254** educators worked with **30,000 students**



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

