



Northeastern University Center for STEM Education

STEM FIELD TRIPS - IMPACT



Program Impact Summary - 2022 - 2023

"My students LOVE this field trip and always talk about it all year long. For many of my students it is their first time on a university campus and that is a very inspiring experience for them." -Teacher Participant

"Most [students] had never visited a college before and told me after they expected it to be boring- but instead they were excited and loved it! Two students who struggle in normal classroom activities told me this is how they like to learn." -Teacher Participant

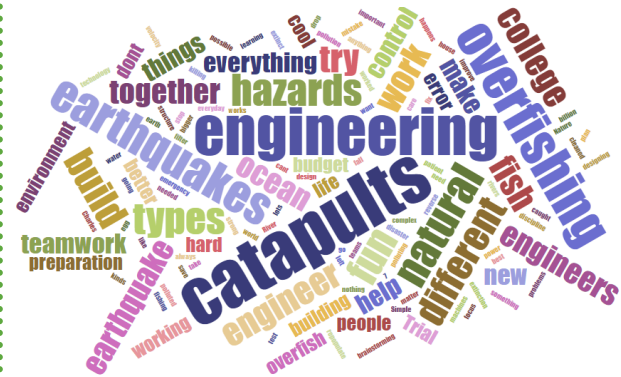
"The best part of the event was when we met the college students and learned what it is like going to college." -Student Participant

"Making paper towers was so cool because, after doing it once, we got to do it another time so we could learn from our mistakes" -Student Participant



"I choose to volunteer at STEM field trips because it's an amazingly rewarding experience for me and the students. I'm able to spread my knowledge to the younger generation and inspire them to enter the STEM field. STEM field trips can target at-risk students and these trips can open doors for these students."

-Volunteer Participant



93%

Teachers' Average Rating
of Field Trip Events

34

undergraduate students
supported during 20 field
trips in the academic year

782

students participated in a
full day field trip at NEU in
2022-23 academic year

100%

of teachers would
recommend this program to
their colleagues and are
interested in coming again

Activities for Engagement

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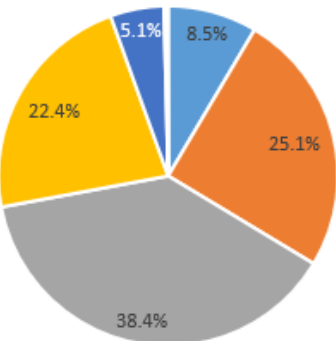
Engineering Design

Sustainability



Environmental Topics

Ethnicity of '22-'23 Field Trips



Asian (8.5%)	7.3%
Black/African American (25.1%)	9.4%
Hispanic (38.4%)	24.2%
White (22.4%)	54.5%
Multiracial, Non-Hispanic (5.1%)	4.4%
Native American (0.3%)	0.2%
Pacific Islander (0.1%)	0.1%

vs. State:

7.3%
9.4%
24.2%
54.5%
4.4%
0.2%
0.1%

106

schools have participated in 199 STEM field trips since 2012

8,956

students have participated in STEM field trips since '12

Massive teacher interest: 44 schools (47 teachers) applied, but could only accept 20

"I learned to work with young students better, to share the wonders of STEM with young people, and to help young people affirm their love of STEM, or to help them realize it's not for them." – Volunteer Participant

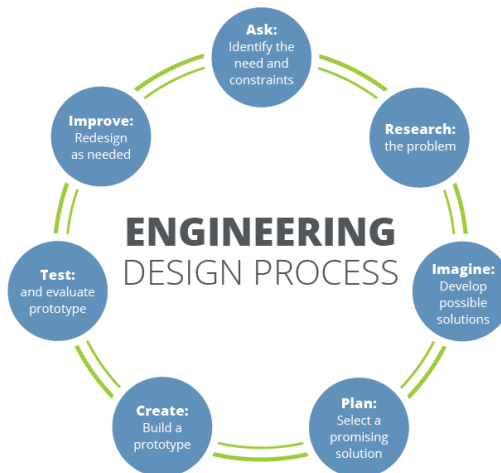
High Needs: field trips (70.7%) vs. state (55.1%)

English–Language Learners: field trips (26.7%) vs. state (12.1%)

Demographics data from MA DESE



Energy



College 101

