



Northeastern University Michael B. Silevitch and Claire J. Duggan Center for STEM Education

STEM FIELD TRIPS - IMPACT (2023-2024)



"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

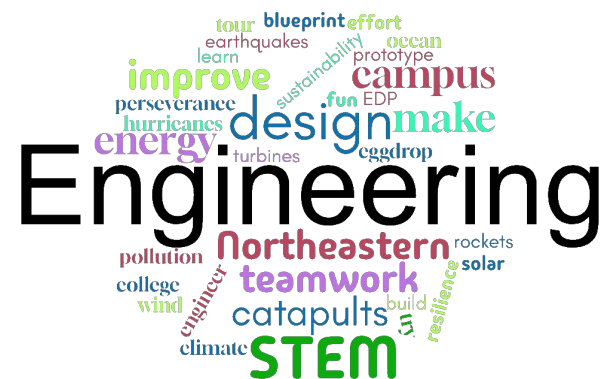
"The best part of the event was when we met the college students and learned what it is like going to college." -Student Participant

"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



92%

Teachers' Average Rating
of Field Trip Events

43

undergraduate students supported
during 12 field trips in the academic year

740

students participated in a full day
field trip at NEU in 2023-24
academic year

100%

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

Activities for Engagement

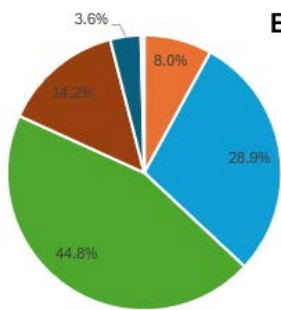
Program Impact Summary - 2023-2024



Engineering Design

Teamwork

Exploring Campus



Ethnicity of '23-'24 Field Trips

- Asian (8.0%) vs. State (7.5%)
- African American (28.9%) vs. State (10.2%)
- Hispanic (44.8%) vs. State (25.9%)
- White (14.2%) vs. State (51.5%)
- Multiracial, Non-Hispanic (3.6%) vs. State (4.6%)
- Native American (0.3%) vs. State (0.2%)
- Pacific Islander (0.1%) vs. State (0.1%)

Demographics data from MA DESE

High Needs: field trips (81.6%) vs. state (55.8%)

English-Language Learners: field trips (34.7%) vs. state (13.9%)

Low-Income: field trips (70.1%) vs. state (42.1%)

108

schools have participated in
221 STEM field trips
since Sept (F) 2011

9,389

students have participated in
STEM field trips since F'11

Massive teacher interest: 44 schools
(57 teachers) applied, but could only accept 12

"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

