nysci | New York Hall of Science

Field Trip Itineraries for Grades 4 – 5

Field Trip Tip:
Kick off the school year by sparking your students' curiosity at the New York Hall of Science! Planning your field trip for the fall (October – December) helps establish a strong foundation for inquiry-based learning, aligns with your curriculum and brings complex science concepts to life. Whether your class is exploring energy or the engineering design process, a field trip to NYSCI can foster memorable learning moments that lasts all school year.

These self guided 90-minute itineraries are designed to help educators structure field trips in a purposeful way, maximizing students' time exploring exhibits. Each itinerary is organized around an essential question aligned with science standards and intended to support students' academic growth. The itineraries are flexible and educators are encouraged to adapt the experience to fit learning goals.

ENERGY ITINERARY

Essential Question:
How does energy move through a city, and how do people design systems to generate and distribute energy?

Powering the City Exhibit *(45 min.)*
Discover how electricity is generated and used to power our lives.

Optional Exhibit Resource:
Powering the City Student Worksheet

CityWorks Exhibit *(45 min.)*
Investigate how energy moves through NYC systems like transportation, buildings, and infrastructure.

Optional Exhibit Resource:
Educator Guide: CityWorks Worksheet
CityWorks Student Worksheet

ENGINEERING ITINERARY

Essential Question:
How do engineers use testing and data to make their designs better?

Human Plus Exhibit *(45 min.)*
Explore how engineering and technology enhance human abilities and address accessibility challenges.

Optional Exhibit Resource:
Human Plus Worksheet Grades 4 – 5

Design Lab Exhibit *(45 min.)*
Practice engineering and problem solving skills through a series of hands-on design challenges where students build, test and improve on their solutions.