

2024-2025  
EDUCATOR  
RESOURCES

**MOST\***





# BOOK YOUR **MOST\*** EXPERIENCE NOW!

## FIELD TRIPS

Available any day of the week! Includes full exhibit access, including Science Playhouse and STEAM Café eating area.

- › \$5 per student (10 students minimum)
- › Free for NYS teachers and personal aides
- › \$6 per additional adult chaperone/parent

## ADD-ONS

### • NATIONAL GRID EXPLORADOME SHOWS

Watch a planetarium show or documentary film in our state-of-the-art domed theatre.

- › \$6 per person
- › Field trip shows run approximately 20–30 minutes
- › Fall 2024 shows:
  - › T. REX
  - › Space: The New Frontier
  - › Mars: The Ultimate Voyage (*planetarium show*)

### • DISCOVERY SESSIONS

Available as an add-on to a field trip or in your classroom with a traveling science educator.

- › \$250 per session or \$200 each for two or more
- › Demonstrations run approximately 30–40 minutes



Schedule  
online at  
[most.org/learn](https://most.org/learn)

Questions? Contact Jen Noble at  
[jnoble@most.org](mailto:jnoble@most.org) or (315) 425-9068 ext 2144





# FIELD TRIP & CLASSROOM PROGRAMS

## DISCOVERY SESSIONS: DEMONSTRATIONS

(AVAILABLE AT YOUR LOCATION OR AT THE MUSEUM)

Discovery Session Demonstrations are performance-style programs appropriate for seated audiences. They can be delivered in a classroom/auditorium OR in the museum as part of your field trip. Demonstrations run approximately 30 minutes and are available in the following topics:

### Travel Adventure: Physics & Forces

*Grades 2–5*

Planes, trains, and submarines—oh my! Explore the solutions that humans have engineered to navigate their adventures, from air and steam travel to underwater exploration. Discover more about concepts like aerodynamics, buoyancy, and beyond in this exciting live science demonstration!

### All Together Now: The Systems of the Human Body

*Grades 3–6*

Learn about the human body by exploring the different systems within it. Discover the main purposes of each system and the ways they interact, allowing us to accomplish the amazing things we do every day!

### Chips & Circuits

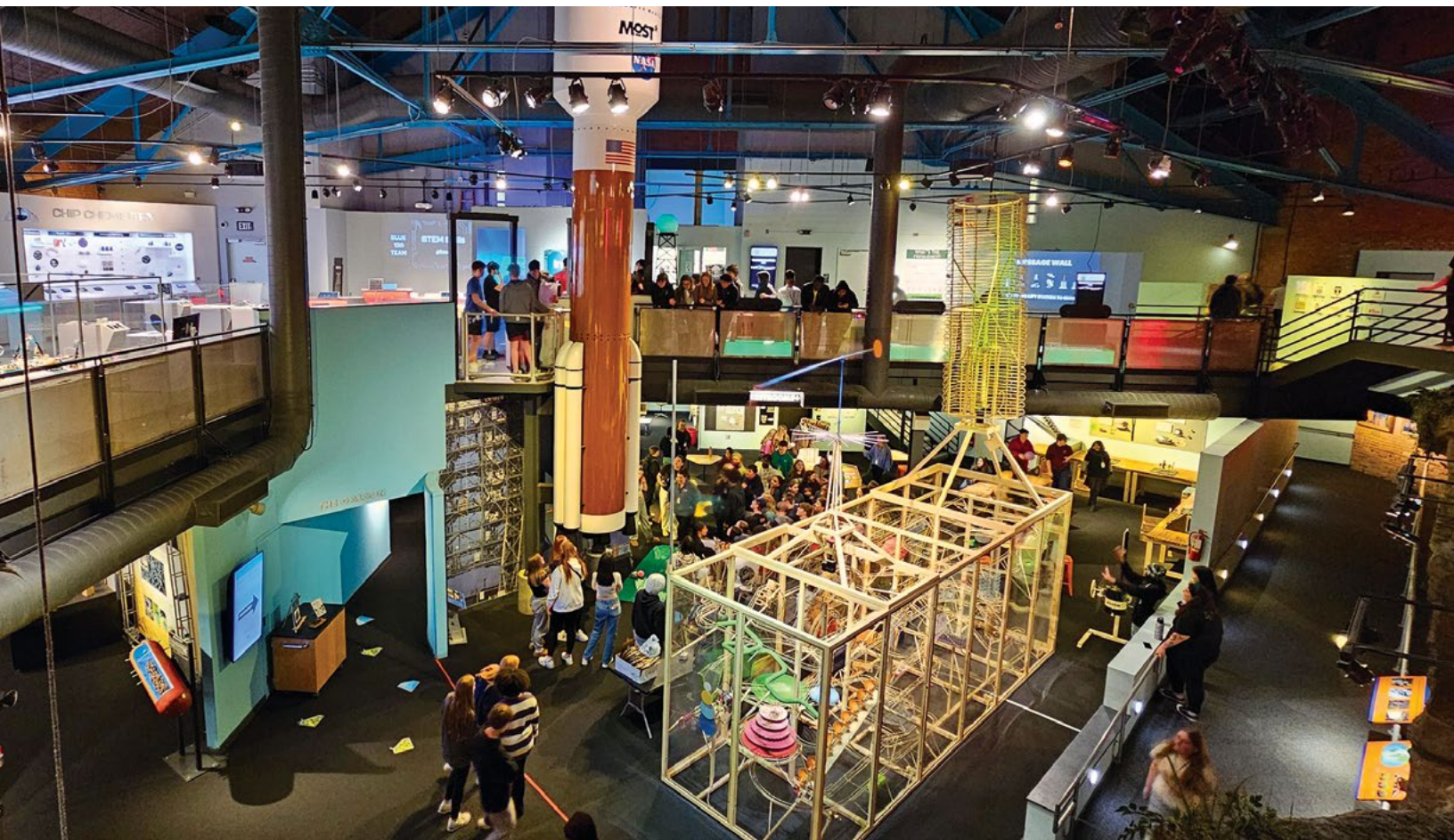
*Grades 3–6*

Explore the basics of circuits and computer chips, and discover the secrets behind the technologies you use every day! Students will also play a memory chip simulator game that can be repeated in the classroom anytime.

### Explosion Explorers: Chemistry

*Grades 4–9*

Engage your students' curiosity about chemicals and chemical reactions with a review of basic experiment safety and procedures, all while exploring popular chemical reactions in this exciting lab session!





# FIELD TRIP PROGRAMS

## DISCOVERY SESSIONS: TOURS & WORKSHOPS (AVAILABLE IN MUSEUM ONLY)

Discovery Session Tours & Workshops are hands-on sessions delivered in the museum for groups of up to 25 students. Workshops run approximately 30 minutes and are available in the following topics:

### **Assisted Museum Tour**

*All Age Levels (1 hour)*

Join one of our MOST educators on a guided exploration of MOST exhibits and interactive experiences! The educator will provide exhibit highlights and how-to's as well as extra support while you explore. This workshop includes a pre-visit consultation to discuss the goals of your visit and the needs of your learners. This program is available for any group, but is especially designed to serve senior groups, day-hab programs, ENL programs, visual/hearing-impaired groups, sensory-sensitive groups, and self-contained classrooms.

### **Read & Play: Basic Forces**

*Grades UPK–2*

This session encourages literacy as well as scientific inquiry through stories and hands-on sensory play. The program is themed around basic forces (like push-pull), and after a guided story time, students will explore the Tessy Machines & Makers presented by Marquardt exhibit to find those forces at work!

### **Coding Basics**

(Also available as “Coding Basics” Girl Scout Badge Workshop—Daisy or Brownie)

*Grades UPK–2*

Explore the basics of coding with this introduction to the principles of programming! Students will practice their binary code, learn about famous computer science pioneers, play coding games, and explore exhibits in computer engineering at the MOST.

### **Predict & Prepare: Severe Weather Team**

*Grades UPK–3 or Grades 4–6*

This severe weather simulation gives students an opportunity to work together to predict and prepare for a severe weather event. Hands-on activities and a weather reporting station with green-screen engage students in weather forecasting, assessing local climate conditions, and preparing themselves and their community for floods, snowstorms, and more. This workshop is available in two versions, depending on grade level. Older students will dive deeper into the tools and data used by meteorologists to make predictions.



# FIELD TRIP PROGRAMS

## Dino Zone Safari: Exploring Fossils

*Grades UPK–5*

Students will learn what fossils can teach us, how fossil records demonstrate changes in landscape over time, and how adaptations supported animal survival. Students will play a “be the fossil” game, explore sample fossil records, and examine real and replica fossil samples. They will also complete a safari scavenger hunt focusing on adaptation in dinosaur species.

## Animals & Their Habitats

*Grades UPK–5*

Discover the secrets of animal adaptation through hands-on play and observation with animal pelts, bones, and other specimens. Plus, meet the museum’s critter friends, like Baja the White’s tree frog, Mystic the ball python, or others!

## Kitchen Chemistry

(Also available as “Home Scientist” Girl Scout Badge Workshop–Brownie)

*Grades 3–5*

Science doesn’t just happen in a laboratory, it happens everywhere—even in your everyday life! Explore chemical reactions, density, and more home-spun science fun in this hands-on workshop.

## Indigenous Agriculture & the Parts of a Plant

*Grades 3–5*

Explore native agricultural techniques, the main external structures that are necessary for plant survival, and the internal structures of seeds. Students will complete a seed dissection, as well as assemble a 3D plant model puzzle.

## Chips & Circuits

*Grades 3–6*

Explore the basics of circuits and computer chips, and discover the secrets behind the technologies you use every day! Plus, enjoy a guided exploration of the semiconductor exhibit at the MOST (DECONSTRUCTED presented by Micron).



## Rock & Gem Exploration

*Grades 4–5 or Grades 6–8*

This lesson expands upon student knowledge of rocks and landforms. Students will learn how Earth processes impact the formation of different kinds of rocks, and will be introduced to topography—plus enjoy exploring the Philip Cooper Hewitt Gem & Mineral Gallery and the Earth Science Discovery Cave! This workshop is available in two versions, depending on grade level.

## It’s Electromagnetic!

*Grades 6–8*

Explore the basics of electromagnetism through hands-on experiments with magnets and other devices.

## Making Waves: Telecommunications Lab

*Grades 6–12*

Learn the technological history of humanity’s attempts to communicate across distances, from visual telegraphy to wireless! Students will discover past and present codes that enable telecommunication, and receive a special behind-the-scenes tour of the MOST’s amateur radio station, K2MST.



# FREE PROGRAMS & RESOURCES FOR STUDENTS

Join us for our free programs all school-year long! All programs and materials are free and include activity materials and museum admission for students and their families/teachers. Parents/guardians, teachers, after-school and club leaders, and other educators can **find out more and register students at [most.org](https://most.org).**



## STEM CHALLENGES

The MOST organizes four design, build & compete outreach programs and a regional science fair. Materials needed to compete are provided at no cost and registration is free. Learn more at [most.org/stem-challenges](https://most.org/stem-challenges).

- › **Catapult Challenge**—Saturday, October 12, 2024
- › **Bridges Challenge**—Saturday, November 9, 2024
- › **Robotics Challenge**—Saturday, January 25, 2025
- › **CNY Science & Engineering Fair (CNYSEF)**—Sunday, March 30, 2025
- › **Rocket Team Challenge**—Saturday, May 31, 2025

## MACNY FUTURE WOMEN IN STEM

*Second Saturday each month, October through May, 10–11am*  
Focused on girls in 6<sup>th</sup>–8<sup>th</sup> grade, this program brings local female professionals to lead students in a fun, hands-on activity to spark interest in high-tech careers. More at [most.org/steam-explorers](https://most.org/steam-explorers).

## FUTURE INNOVATORS IN STEM

*First Saturday each month, October through May, 10–11am*  
Future Innovators connects Black, Indigenous, and People of Color (BIPOC) students in 6<sup>th</sup>–9<sup>th</sup> grades with skill-based science learning opportunities, along with support and mentorship from scientists and professionals of color. MOST staff and local BIPOC STEAM practitioners guide students through an exciting STEAM curriculum that includes hands-on activities, career exploration, engineering challenges, and more. More at [most.org/steam-explorers](https://most.org/steam-explorers).

## SENSORY FRIENDLY MUSEUM GUIDE AND KITS

Download the MOST's new Sensory Friendly Guide at [most.org/sensory-friendly-time](https://most.org/sensory-friendly-time). From where to find a quiet space to how to find exhibits that interest you, this guide can help make the MOST a familiar, safe environment to learn. We offer free sensory friendly kits at our admissions desk every day.



# FAMILY GUIDE TO THE MOST\*

REGULAR HOURS: THURSDAY–SUNDAY, 9:30–5

500 S FRANKLIN ST, SYRACUSE (ARMORY SQUARE)

ON CENTRO BUS LINES | PARKING ON STREET AND IN TROLLEY LOT

VISIT [MOST.ORG](https://www.most.org) FOR MORE INFORMATION

## DAILY ACTIVITIES

Every day at the MOST features hands-on, engaging activities all day long!

- › 11:30—STEM Story Time
- › 12:00—Circuits & Chips
- › 2:00—Daily Demonstration
- › All day—MAKE

## MUSEUMS FOR ALL PROGRAM

Households with EBT or WIC cards receive discounted admission to the MOST! Just show your EBT card and photo ID at the admissions desk.

\$1	\$2	\$29
Kids & Seniors	Adults	Annual Membership

**NYS P-12 teachers always get free museum admission!**

*See more discount programs at [most.org/hours-prices](https://www.most.org/hours-prices).*

## RECURRING PROGRAMS

Check [most.org/events](https://www.most.org/events) for schedules and info

- › **Be the Scientist**—Learn about a different scientific field on the last Saturday of each month from 9:30 to 12:30. FREE for students.
- › **Future Innovators in STEM**—FREE program for BIPOC students in grades 6–9 and their families.
- › **MACNY Future Women in STEM**—FREE program for girls in 6th–8th grades and their families.
- › **Late Till 8**—Head over on the third Thursday of the month, when the museum is open until 8pm! Watch a family-friendly movie\* at 6pm at **Movie Night at the MOST** in the National Grid ExploraDome.
- › **Sensory Friendly Time**—Every third Saturday of the month from 4:30 to 8pm, we welcome guests who appreciate a less-stimulating museum environment. Watch a 25-minute version of a current film\* at 5:30.

*\*These films feature live ASL interpretation.*

## CAMPS

Register online at [most.org/camps](https://www.most.org/camps)

Register online for our popular week-long summer and break week (February and April) day camps!

- › Junior Scientist (Ages 4–7)
- › Be the Scientist (Ages 8–12)
- › Students entering 9<sup>th</sup> grade can attend our FREE SUNY ESF Summer Science Week camp the last week of July

  Follow us on social media to see  
  upcoming opportunities and programs!







nationalgrid

ExploraDome

ADD A  
MOVIE OR  
PLANETARIUM  
SHOW TO  
YOUR VISIT



Add a National Grid ExploraDome theatre show to your field trip and give your students an incredible immersive viewing experience.

Playing through the end of 2024:

- › T. REX
- › Space: the New Frontier
- › Mars: the Ultimate Voyage (*planetarium show*)

**MOST\***

View this brochure online at  
[most.org/learn](http://most.org/learn)



SIGN UP TO RECEIVE  
OUR MONTHLY EMAILS  
ABOUT UPCOMING  
PROGRAMS

