

2026-2027
EDUCATOR
RESOURCES

MOST*





MILTON J. RUBENSTEIN MUSEUM OF SCIENCE & TECHNOLOGY

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EDUCATOR EXHIBIT GUIDES



Download PDF exhibit guides with curriculum connections and companion activities for P-12 students to plan and prepare your visit.



View guides online at
most.org/exhibit-guides



DINO ZONE



New Dino Zone Experience

Our renovated Dino Zone exhibit debuted in summer 2026, with new interactive features where students can explore paleontology and geologic history. Meet giant creatures of the past as you explore the history of our planet and the reign of the dinosaurs. Piece together fossils at the Dig Site, identify rocks and fossils, scale the Earth's layers climbing wall, and dress up like an archaeologist! Plus, find out more about the plants and wildlife of the Cretaceous Period and check out real fossils from the MOST collection.

2026–2027 STEM CHALLENGES

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DESIGN, BUILD, & COMPETE!

Free design challenge events are open to CNY students in grades 4–12, with materials provided by the MOST.

These fun and diverse opportunities offer students engaging, hands-on learning experiences in a team environment. Need support introducing the challenge or the engineering design process to your students? A MOST educator can come to you! Contact us at eventcoordinator@most.org to book a free support session (*1 per STEM Challenge, per group—subject to staff availability*).



Catapult Challenge

October 17, 2026

A design challenge in mechanical engineering, students design, prototype, and refine a catapult using simple items like popsicle sticks and rubber bands. Catapults are tested for distance and accuracy, and students are interviewed on their knowledge of the physics behind a catapult.



Bridge Challenge

November 14, 2026

Participants construct truss bridges from balsa wood and glue provided by the MOST and compete to have the highest efficiency rating.



Robotics Challenge

January 30, 2027

This computer engineering challenge is an opportunity for students to use the engineering design process to solve real-world challenges using basic microcontrollers, sensors, switches, and more.



CNY Science & Engineering Fair

April 4, 2027

A regional affiliate of the International Science & Engineering Fair, the event encourages students to design a STEM project, conduct an experiment or build a prototype, and prepare a report on their findings.



Rocket Challenge

June 6, 2027

Teams construct and design rockets using kits from the MOST and are scored on their STEM knowledge, rocketry calculations, and rocket performance. Takes place at Jamesville Beach Park.

Friday testing sessions available for school Catapult & Bridge teams!



Free Kits & Registration

Learn more and sign up at
most.org/stem-challenges

BOOK THEIR FAVORITE FIELD TRIP OF THE YEAR

- › Full exhibit access, including the popular Science Playhouse
- › Book any day of the week
- › Eat your packed lunches in our STEAM Café

**JUST \$5 PER
STUDENT!**



CUSTOMIZE YOUR VISIT WITH ADD-ONS

GROUP WORKSHOPS

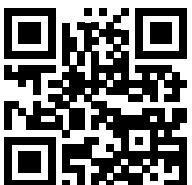
Engage students with hands-on exploration and experimentation with one of our science educators. *40-minute sessions*

\$150, UP TO 25 STUDENTS

NATIONAL GRID EXPLORADOME SHOWS

Experience a documentary film or live planetarium show in our state-of-the-art domed theatre. *20-25 minute shows*

\$5 PER STUDENT



Learn more and
book online at
most.org/field-trips

Questions?

Contact Jen Noble at jnoble@most.org
or (315) 425-9068 ext 2144

GROUP WORKSHOPS

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Learn more and
book online at
most.org/group-workshops



Physical Sciences



Earth & Space Sciences



Life Sciences



Engineering & Technology

Grades K–2 Intro to Chemistry Discover the practice of chemistry, including chemical and physical reactions, protective equipment, and laboratory tools.	Grades K–2 Intro to Chips & Circuits Begin the journey to digital literacy, exploring concepts from basic programming to how chips and circuits work inside everyday devices.	Grades K–2 Exploring Plants Dig into the parts of plants and explore what plants need to survive in this hands-on learning lab.	Grades K–2 Push & Pull Explore the effects of different pushes and pulls through large-scale experiments with blocks and toys, guided by a MOST educator.
Grades K–2 Predict & Prepare Explore how meteorologists observe patterns to predict weather, and why making weather predictions is important.	Grades K–2 Secrets in the Soil Investigate our planet's past through fossil, rock, and artifact analysis as we dig into geology, paleontology, and more.	Grades 3–5 Collision Lab Experience collision through large-scale demonstrations that showcase concepts like momentum, types of energy, and energy transfer.	Grades 3–5 Explosion Explorers Explore chemical and physical reactions, pH, density, and more in this hands-on lab session.
Grades 3–5 Exploring Botany Discover the wonderful world of plants, from processes like photosynthesis and transpiration to the adaptations they've evolved to survive.	Grades 4–8 Dinosaurs & Fossil Evidence Learn what fossil evidence can teach us about the history of our planet through games, specimen analysis, and exhibit exploration.	Grades 6–8 Planetarium Show Multiple show themes are available, including Syracuse Skies, Mission: Moon, Grade 5 NGSS, Grade 6 NGSS.	Grades 6–8 Making Waves Explore the technological history of communication across distances, from visual telegraphy to wireless.
Grades 6–8 Impact Detectives Investigate 'unsolved' cases of pollution and environmental harm using data and maps to determine the impact of human activity and brainstorming solutions to mitigate it.	Grades 6–8 & 9–12 Intro to Geology Review the rock cycle through analysis of igneous, metamorphic, and sedimentary rock samples from the MOST collection.	Grades 6–8 & 9–12 Workforce Discovery Choose your topic: › Mechanical Engineering › Aerospace Engineering › Biomedical Engineering › Electrical Engineering › Environmental Engineering › Civil Engineering	Grades 6–8 & 9–12 Museum Careers: Science Communication, Engineering Design & Informal Education Meet MOST staff to explore careers in the fields of museums, science communication, exhibit design, and educational programming. This workshop can be tailored to your group's interests.

DISCOVERY SESSION TRAVELING PROGRAMS

DISCOVERY SESSION SHOW

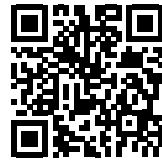
\$250 PER SHOW + MILEAGE

BOOTH / TABLING AT EVENT

\$50 PER HOUR + MILEAGE

Give your students the excitement and fun of experiential learning by bringing a MOST science educator to conduct a Discovery Session at your school!

Discovery Session shows are designed for classrooms or auditoriums and run approximately 40 minutes. We can also set up hands-on activities on a variety of STEM topics at a table or booth at an event.



Learn more and
book online at
most.org/discovery-sessions

DISCOVERY SESSION SHOW TOPICS

Grades K–2



Color Lab

Explore light, color, and optics through play with prisms and optical illusions.

Grades
K–2 or 3–5



Animal Adaptations

Discover adaptation and evolution through animal specimens from the MOST learning collection.

Grades
K–2 or 3–5



Secrets in the Soil

Learn about the geologic and human history of our planet through fossils and archaeological artifacts.

Grades
3–5



Explosion Explorers: Chemistry

Observe physical and chemical reactions, pH, and more through live chemistry demonstrations.

Grades
3–5



Travel Adventure: Physics and Forces

Understand energy, buoyancy, and other principles that help humans get from A to B.

Grades
6–8



Ready, Set, Spin

Have you ever wondered why golf balls have dimples, how ice skaters spin so fast, or if you could bounce a basketball on Mars? We bring the physics of games and sports to you!

Grades
6–8



All Together Now

Investigate the systems of the human body and how they work together.

A STEM ACCESS PROGRAM

The Future Innovators program provides hands-on STEM learning experiences at no cost to students who are typically underrepresented and underserved in STEM.

Enroll as a Future Innovators site now to secure FREE MOST field trips, traveling programs, and STEM camps at the MOST for the 2026–27 school year!

Who is eligible?

The Future Innovators program is open to any school district or educational program serving economically disadvantaged students and students of color ($\approx 40\%$ or more). Resources will be allocated to eligible organizations once all applications have been received.

How do I enroll?

What resources are there for organizations?

Enroll through our website at most.org/future-innovators for fall (by 9/1), spring (by 1/1), or summer (by 6/1) registrations. You may enroll for all 3 terms. During registration, organizations can select from a menu of no-cost STEM experiences for individual students or entire classes, including field trips to the MOST, traveling programs in your classroom/space, or spots in MOST break or summer camps.

What happens after I enroll?

After registration for each term closes, applications will be reviewed. You will be notified of your resource allocation and connected to a MOST team member for booking/scheduling. No resources are guaranteed until applications are reviewed and applicants are notified.



Learn more and
enroll online at
most.org/future-innovators

Questions?

Contact Emily Stewart at estewart@most.org
or visit most.org/future-innovators

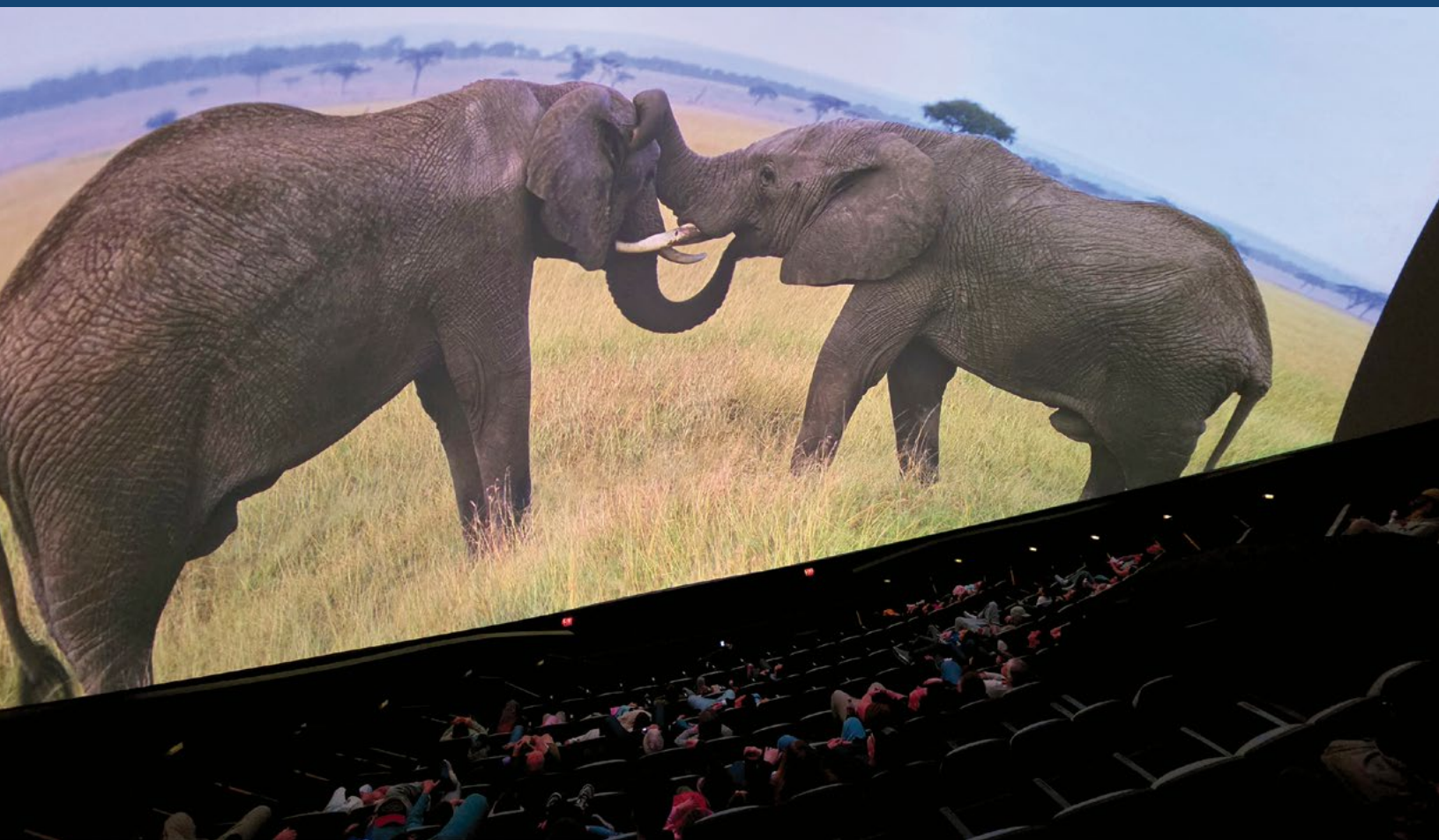
nationalgrid

ExploraDome

ADD A GIANT SCREEN MOVIE EXPERIENCE

Give your students an incredible
immersive viewing experience with
a National Grid ExploraDome show.

PLAYING THIS YEAR



MOST*

View this brochure online at
most.org/learn

Sign up to receive
monthly emails
about upcoming
MOST programs

