

2025-2026  
EDUCATOR  
RESOURCES

**MOST\***



# I 2025–2026 MOST EDUCATIONAL OPPORTUNITIES



MILTON J. RUBENSTEIN MUSEUM OF SCIENCE & TECHNOLOGY

- 1 .....NEW GROW EXHIBIT
- 2 .....FIELD TRIPS AND SCHOOL VISITS
- 3.....EXHIBIT WORKSHOPS
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- 6 .....EDUCATOR EXHIBIT GUIDES
- 6 .....FREE ARTEMIS II KIT

Experience all the MOST has to offer with your students this school year!

- Check out our new field trip programs at the museum, including activities in our newest permanent exhibit, GROW!
- Engage students right in their own classrooms with one of our traveling educational programs that comes to your school with exciting and hands-on discovery sessions that are sure to be a hit.
- Get kids excited about STEM with our 5 popular STEM Challenges.
- Blast off with free Artemis II kits and join us to watch this new moon mission blast off live in April.



## OUR NEWEST EXHIBIT!

Explore our new GROW exhibit as part of a field trip and add on our "Exploring Plants" exhibit workshop.

Explore the concept and practice of sustainable agriculture through interactive displays on agricultural science and technology, environmentally conscious food production and distribution in communities, and approaches to buying food and disposing of waste. A six-stall farmers market lets visitors can "buy" apples, corn, eggs, maple, dairy, and seasonal items. Scanning items at checkout brings up food and nutrition information. A tractor and trailer teaches about food distribution. The tactile crop field showcases the "three sisters"—beans, corn, and squash—which originated in our Indigenous communities.



## AT THE **MOST**\*

### FIELD TRIPS

Available 7 days a 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
- › \$5 per additional adult chaperone/parent

### ADD-ONS EXHIBIT WORKSHOPS

Guided programs for hands-on exploration and experimentation in museum exhibits, facilitated by MOST educators and staff.

- › \$150 per session
- › Activities run approximately 35–40 minutes

### NATIONAL GRID EXPLORADOME SHOWS

Experience a live planetarium show led by a science educator or watch a documentary film in our state-of-the-art domed theatre.

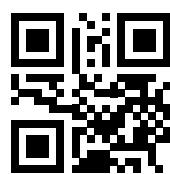
- › \$5 per person
- › Shows run 20–30 minutes

## AT SCHOOL

### DISCOVERY SESSIONS

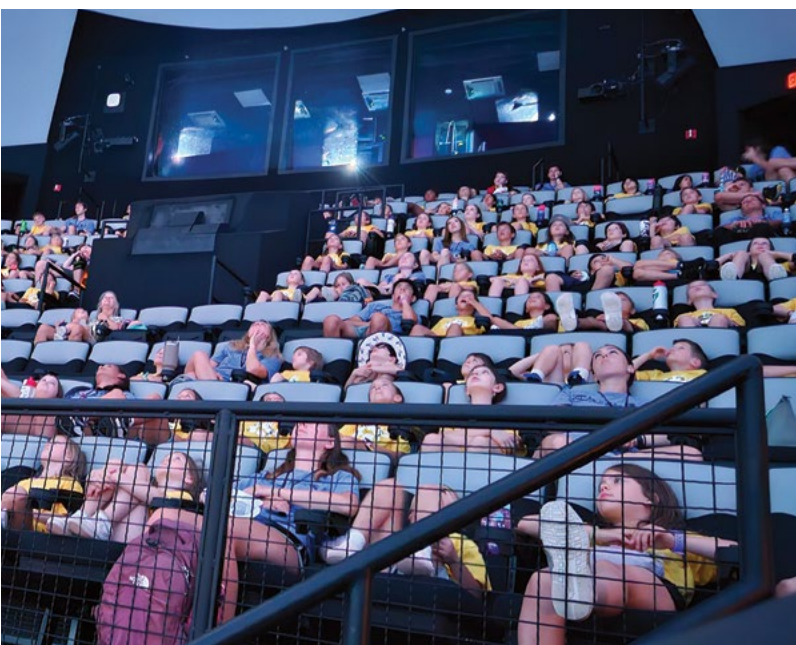
If a field trip to the museum isn't an option, give your students the excitement and fun of experiential learning with a MOST science educator right in your own school! The museum comes to you with one of our engaging in-school Discovery Sessions that can be performed in a classroom or auditorium.

- › \$250 per session plus standard mileage rate for travel from the MOST to your location (\$200 each if booking 2 or more sessions)
- › 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



# IN-MUSEUM EXHIBIT WORKSHOPS

Exhibit Workshops are hands-on educational activities delivered in the museum for groups of up to 25 students. They run approximately 35–40 minutes. \$150 per workshop.

View full descriptions online at  
[most.org/workshops-sessions](https://most.org/workshops-sessions)



| GRADES   | SESSION                                                                                                    | OVERVIEW                                                                                                                                                                                                                                                 |
|----------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All Ages | <b>Assisted Museum Tour</b>                                                                                |  Join a MOST educator on a guided exploration of exhibits and interactive experiences! The educator describes exhibit highlights and how-to's and offers extra support. |
| K–2      | <b>Coding Basics</b><br><i>in DECONSTRUCTED</i>                                                            |  Explore the basics of coding with this introduction to the principles of programming.                                                                                  |
| K–2      | <b>Fun with Forces</b><br><i>in BUILD</i>                                                                  |  A MOST educator leads students through large-scale demonstrations of basic forces like push, pull, and gravity using giant blocks, ramps, and balls.                   |
| K–2      | <b>Predict &amp; Prepare</b><br><i>on the Weather Adventure Path</i>                                       |  Prediction activities, a weather sensory path, and a weather reporting station with green screen engage students in weather forecasting.                              |
| K–5      | <b>Exploring Plants</b><br><i>in GROW</i>                                                                  |  Students follow along with a MOST educator at the Stages of Plant Growth station to act out how plant use their parts to fulfill their basic needs.                  |
| 3–5      | <b>Digging into Earth's History</b><br><i>in the Dino Zone</i>                                             |  Learn what fossils can teach us, how fossil records demonstrate changes in landscape over time, and how adaptations supported animal survival.                       |
| 3–5      | <b>Chips &amp; Circuits</b><br><i>in DECONSTRUCTED</i>                                                     |  Explore the basics of circuits and computer chips, and discover the secrets behind the what powers the technologies you use every day.                               |
| 4–8      | <b>Private Planetarium Experience</b><br><i>in the National Grid ExploraDome</i>                           |  Book a private planetarium show led by a MOST educator in our giant-screen domed theatre.                                                                            |
| 4–8      | <b>Rock &amp; Mineral Hunt</b><br><i>in the Gem &amp; Mineral Gallery and Earth Science Discovery Cave</i> |  Students learn how Earth's processes impact the formation of different kinds of rocks and are introduced to topography.                                              |
| 6–8      | <b>Making Waves</b><br><i>in the Telecommunications Lab</i>                                                |  Explore the technological history of communication across distances, from visual telegraphy to wireless.                                                             |

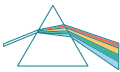
# AT-SCHOOL DISCOVERY SESSIONS

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Discovery Sessions are performance-style programs best for seated audiences in a classroom or auditorium. Demonstrations run approximately 30–40 minutes. \$250 per session + mileage.

View full descriptions online at [most.org/workshops-sessions](https://most.org/workshops-sessions)



| GRADES | SESSION                                                | OVERVIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| K-2    | <b>Color Lab</b>                                       |  <p>Play with prisms, learn about lasers, and explore the science of color in this live science demonstration.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3-5    | <b>Travel Adventure: Physics and Forces</b>            |  <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                       |
| 3-5    | <b>Explosion Explorers: Chemistry</b>                  |  <p>Engage your students' curiosity about chemicals and chemical reactions as they experience popular chemical reactions in this exciting lab session.</p>                                                                                                                                                                                                                                                                                                                                                                                                               |
| 4-8    | <b>WORKFORCE DISCOVERY*</b>                            |  <p>Explore STEM careers through hands-on activities, features on specific careers, and a project-based exploration of the engineering design process. Select from the following topics:</p> <hr/> <p><b>Construction &amp; Civil Engineering</b></p> <hr/> <p><b>Mechanical Engineering, Manufacturing, &amp; Energy</b></p> <hr/> <p><b>Electrical and Computer Engineering, Cybersecurity, &amp; IT</b></p> <hr/> <p><b>Physics &amp; Aerospace/Aviation</b></p> <hr/> <p><b>Environmental Science/Engineering, Climate, Agriculture, and Natural Resources</b></p> |
| 6-8    | <b>All Together Now: The Systems of the Human Body</b> |  <p>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.</p>                                                                                                                                                                                                                                                                                                                                                   |

# ENGINEERING DESIGN CHALLENGES

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

Need support introducing the design challenge or the engineering design process to your students? A MOST educator can come to you! Contact us at [eventcoordinator@most.org](mailto:eventcoordinator@most.org) to book a free support session (*1 per STEM Challenge, per group—subject to staff availability*).

## STEM:CHALLENGES

Register teams for free and pick up your materials kit at the MOST.  
[most.org/stem-challenges](https://most.org/stem-challenges)



### Catapult Challenge

October 18, 2025

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.



### Bridges Challenge

November 15, 2025

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



### Robotics Challenge

January 31, 2026

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

March 29, 2026

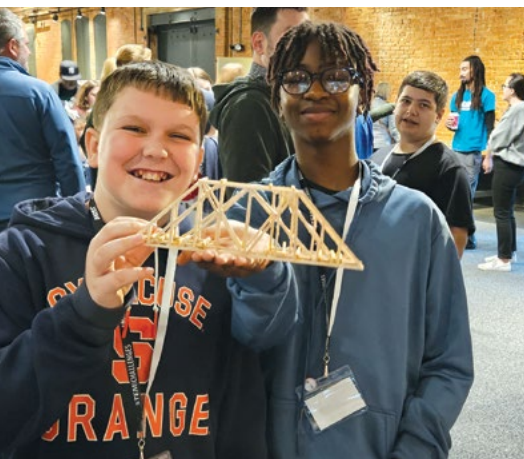
A regional affiliate of the International Science & Engineering Fair, the event encourages students to design a STEM project, conduct an experiment or build a prototype, and prepare a report on their findings.



### Rocket Team Challenge

May 31, 2026

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.



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



View full descriptions online at [most.org/exhibit-guides](https://most.org/exhibit-guides)



## ARTEMIS II—MISSION TO THE MOON

In April 2026, join the MOST to watch a new generation of astronauts head back to the Moon!

### FREE ARTEMIS II KIT

Join the MOST as we prepare to celebrate the launch of Artemis



Register for a free kit at [most.org/artemis](https://most.org/artemis)

II! Educators, community leaders, non-profit organizations, and families can request an Artemis II kit for FREE from the MOST. Kits include posters, stickers, activities and experiment sheets, and more, and will be available for pick-up in January/February 2026. *Artemis II kits and resources are made available by the MOST with support from the NASA New York Space Grant Consortium.*

### ONLINE RESOURCES

Visit our website at [most.org/artemis](https://most.org/artemis) for more information:

- Artemis II Mission Plan
- Artemis II Crew
- Artemis II Mission Map
- Artemis II Images, Info Sheets, and Media Resources
- Artemis II Educational Resources (Activities, Lessons, Games)

### LAUNCH LIVESTREAM AT THE MOST

Join us for the launch of Artemis II, with its crew of four, including the first woman and the first person of color to journey around the moon! Watch the launch on the giant ExploraDome screen, explore hands-on activities, and enjoy snacks, giveaways, and raffles as we celebrate this milestone in NASA's Artemis program. Stay tuned for launch date and time—currently scheduled for April 2026.



Mission Type: Crewed Lunar Fly-by

Expected Launch: April 2026

Mission Duration: 10 Days

Mission Description: “Four astronauts will venture around the Moon on Artemis II, the first crewed mission on NASA’s path to establishing a long-term presence at the Moon for science and exploration through Artemis. The 10-day flight will test NASA’s foundational human deep space exploration capabilities, the SLS rocket, and Orion spacecraft, for the first time with astronauts...Artemis II builds on the success of the uncrewed Artemis I in 2022, and will demonstrate a broad range of capabilities needed on deep space missions.” – NASA.gov

nationalgrid

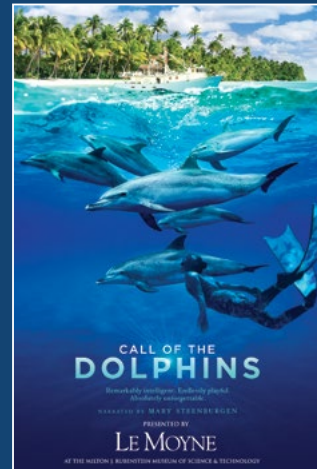
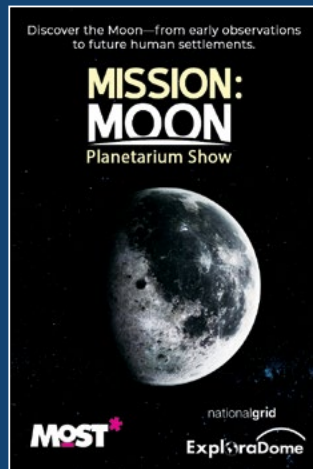
PLAYING THROUGH 2025

**ExploraDome**

## ADD A GIANT SCREEN MOVIE EXPERIENCE

Give your students an incredible  
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a National Grid ExploraDome show.

*\$5 per person add-on*



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