A field trip to the Museum of Science is a great way to show your students that science is not just a school subject, it’s integral to their daily lives—and it’s fun too! We offer hands-on learning in a dynamic informal environment, with resources that complement and reinforce your curriculum.

The Museum showcases an array of intriguing temporary offerings, such as *Maya: Hidden Worlds Revealed* (see page 17), giant-screen films, Planetarium shows, and engaging live presentations. Additionally, we are always improving our exhibits to reflect the most current science and technology. Last fall, we unveiled the *Hall of Human Life*, a new, comprehensive exhibition that is changing how people understand their own biology. Visitors are able to take fifteen unique personal measurements, and their actual data is central to telling the exhibition’s stories. And just this summer, we opened the new 4-D Theater, sure to provide fun, engaging film experiences.

We hope you will visit us on a Museum field trip. Create your own customizable field trip guide (see page 11) to communicate your educational plan and goals, or consult with our educators for a free planning session (see page 5) to help you create an experience that offers something for every student and connects to your curriculum.

Thank you,

Ioannis N. Miaoulis
President and Director, Museum of Science
Preparing for Your Field Trip

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9 | Savings and Scholarships

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STAY INFORMED WITH E-NEWS FOR EDUCATORS

Sign up for our monthly educator e-newsletter to learn more about Museum field trips, special discounts, professional development opportunities, and classroom resources. To join, visit mos.org/educators.

MAYA
HIDDEN WORLDS REVEALED

Uncover the rise and eventual decline of this fascinating civilization—including its social, natural, and spiritual realms—through authentic artifacts, hands-on activities, and more.

Exhibit Opens October 12, 2014 | LIMITED ENGAGEMENT

Tickets: Page 7

The Museum of Science gratefully acknowledges the support of our Premier Partners:
Preparing for Your Field Trip

Planning a great field trip is like planning any great adventure. Spending time to research options up front will help ensure your time at the Museum is as enjoyable and productive as it can be. Need help? To make a reservation, contact Science Central at 617-723-2500. Available daily 9:00 a.m. – 5:00 p.m.
Where to Begin

- Establish goals for your field trip before you begin planning.
- Visit mos.org/educators:
  - Sign up for our monthly E-News for Educators (see page 3).
  - Look through themed guides or create your own (see page 11).
  - Click on the daily schedule at the top of the page.
- Consider all available options and times, from films and presentations to lunch schedules.
- Note which activities require separate admission, timed tickets, or advance registration.
- Make a reservation (see page 6).
- Become a member of the Teacher Partner Program for monthly E-News updates and access to educator resources.

Field Trip Planning Sessions and Resources

Consult with a Museum Educator

Need assistance planning or designing a field trip? Museum educators are available to assist you with updated exhibit information and new online educational resources. We offer a variety of ways to connect with Museum educators:

- Call our helpline at 617-589-0172.
- Email questions to library@mos.org.
- Learn how to customize your own field trip guide at mos.org/educators. See page 11 for details.
- Consult in person. Schedule an appointment to come in for a visit and a walk around the Exhibit Halls. Appointments for field trip planning sessions are available Tuesday – Saturday, 9:00 a.m. – 5:00 p.m., and must be scheduled at least two weeks in advance by calling 617-589-0172, or by email at library@mos.org.

Fee: Free. Length: Approximately two hours.

A school group reservation will not actually be made at this time. All reservations must be made by calling Science Central at 617-723-2500.

Tour Operators

- Tour operators who book school groups are eligible for school pricing and are subject to the same policies but do not qualify for scholarships or $5 admission.
- Groups are also eligible for tour rates.
- For reservations, contact group sales: 617-589-0447, 617-589-0417 (TTY), 617-589-0187 (fax), tops@mos.org.

Accessibility

The Museum is a place where everyone can participate equally in the excitement of science and technology. Let us know if your group requires any special accommodations or if you have accessibility questions when making your reservation.

- Planetarium shows and other live performances can be ASL interpreted (with a minimum of two weeks’ notice). Assistive listening devices are available for all shows and can be picked up at the Information Desk. Please contact accessibility@mos.org with questions about further accessibility needs, including tactile/Braille materials, show scripts, and captioning.
- Scripts, rear window captioning, assistive listening, and audio description are available for most shows in the Mugar Omni Theater. Please confirm availability in advance for the show you plan to see.
- Many exhibits contain multisensory, interactive features and are accessible to a wide variety of visitors. For more details, please contact the accessibility coordinator at 617-589-3102 or accessibility@mos.org.
- For information about accessibility in the Museum: mos.org/accessibility. For questions or accommodation requests: 617-589-3102, accessibility@mos.org. Please request ASL interpreters at least two weeks in advance.

Parking

- There is no bus parking on Museum grounds except for drop-off and pickup. Buses may park at the Boston Autoport in Charlestown. For details and directions: mos.org/field-trips.
- Chaperones and teachers may park cars in the Museum garage and will receive a $5 flat rate. In order to receive this discount, you must turn in your chaperone badge at the box office at the end of your visit. Please note that credit or debit cards are the only form of payment accepted for garage transactions.
Reservation Information

Making Reservations

- Book your field trip early! Programs fill to capacity, and there is a limit to daily school group admissions.
- Make reservations by phone. Call Science Central, open daily, 9:00 a.m. – 5:00 p.m.: 617-723-2500, 617-589-0417 (TTY).
- Reserve at least 24 hours in advance: Exhibit Halls, Butterfly Garden, IMAX® films in the Mugar Omni Theater, Planetarium shows, and 4-D Theater.
- Reserve at least two weeks in advance: special programs and live presentations by request.
- School group rates and programs are NOT available during Massachusetts holidays and school vacation periods:
  - November 28 – 30, 2014
  - February 14 – 22, 2015
  - April 18 – 26, 2015

Changing Your Group Size

- **IMPORTANT:** If your group size changes after you make your reservation, you must notify us by 5:00 p.m. the day before your visit. Contact Science Central: 617-723-2500, 617-589-0187 (fax), fieldtrips@mos.org.
- There are no refunds for dropped numbers on the day of your visit. Additional participants will be charged regular Exhibit Halls admission. Any additions are subject to availability and are not guaranteed entrance to the Mugar Omni Theater or other shows or programs.

Cancellations

Notify Science Central immediately: 617-723-2500, fieldtrips@mos.org. Missed reservations without notice prior to the visit date are subject to a non-cancellation fee.

Chaperones

Chaperones are our partners, working with us to help students experience the most productive and educational Museum visit possible.

- One chaperone per 10 students is required for grade levels pre K – 8.
- One chaperone per 15 students is required for grade levels 9 – 12.
- Chaperones are responsible for the safety of students and the exhibits they visit. Students must be accompanied by a chaperone at all times and must stay with their group.
- Chaperones must be at least 21 years old.

Guidelines for Student Visits

Educators bringing students to the Museum of Science are expected to plan a schedule that focuses students’ attention and creates opportunities to connect learning in the Museum with learning in the classroom or community center. Educators and chaperones are expected to:

- Stay with pre-assigned chaperone-sized groups at all times, regardless of the students’ ages.
- Adhere to the code of conduct established by school systems and community centers. Behavior that is not acceptable at schools and community centers is not acceptable at the Museum of Science. Please note: The Museum is not responsible for lost, stolen, or damaged personal property.
- Act as facilitators, encourage inquiry, and assist students in navigating Exhibit Halls and programs safely and appropriately.
- Stay with students in venues such as the Mugar Omni Theater, Charles Hayden Planetarium, 4-D Theater, Butterfly Garden, Theater of Electricity, and live presentations areas.
Exhibit Halls Payment Rates

Payment rates shown are available to accredited public and private pre K – 12 schools.

**EXHIBIT HALLS**

<table>
<thead>
<tr>
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<th>Price per person</th>
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<tbody>
<tr>
<td>Teachers</td>
<td>Free</td>
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<tr>
<td><strong>Students</strong></td>
<td></td>
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<tr>
<td>First Visit</td>
<td>Second Visit</td>
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<tr>
<td>September – August</td>
<td>$10.00</td>
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<tr>
<td>September, October, January</td>
<td>$5.00*</td>
</tr>
<tr>
<td><strong>Chaperones</strong></td>
<td></td>
</tr>
<tr>
<td>First Visit</td>
<td>Second Visit</td>
</tr>
<tr>
<td>September – August</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

*The $5 Exhibit Halls admission is available for those individual schools with free and reduced lunch participation at or above 35%. Details: page 9.

Add-Ons

Payment rates shown for additional programs are added to the cost of Exhibit Halls admission.

**VENUE**

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Mugar Omni Theater (IMAX®)</td>
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<tr>
<td>4-D Theater</td>
<td>Add $4.00</td>
</tr>
<tr>
<td>Charles Hayden Planetarium</td>
<td>Add $4.00</td>
</tr>
<tr>
<td>Butterfly Garden</td>
<td>Add $4.00</td>
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</tbody>
</table>

*Maya: Hidden Worlds Revealed (Exhibit Opens October 12)*

**Venue Only** (Exhibit Halls admission not included)

<table>
<thead>
<tr>
<th></th>
<th>Price per person</th>
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<tbody>
<tr>
<td>Planetarium Only</td>
<td>$6.00</td>
</tr>
<tr>
<td>Mugar Omni Theater Only</td>
<td>$6.00</td>
</tr>
</tbody>
</table>

Payment Methods

- For regular check-in, payment is required upon arrival. For Express Check-In, payment is due 72 hours in advance.
- Payment must cover the full number of students, chaperones, and teachers in your reservation. NO SAME-DAY REFUNDS.

**Accepted**

- **Checks** School checks made payable to the Museum of Science. No personal checks.
  - **Regular Check-In:** DO NOT MAIL. Bring check with you the day of your visit.
  - **Express Check-In:** Mailed checks must be received at least 72 hours in advance to:
    - Museum of Science, Boston
    - Post Office
    - P.O. Box 28194
    - New York, NY 10087-8194
- **Cash** Large bills are appreciated.
- **Credit Cards** Visa, MasterCard, Discover, or American Express.
- **Purchase Orders** (excluding Express Check-In reservations) Arrange at least five days in advance with Science Central. Any amount above the approved purchase order amount must be paid in person with cash, school check, or credit card. Please include field trip visit date and Museum confirmation number on PO.

**NOT Accepted**

- Family memberships, Museum overnight patches, free passes, or discount coupons.
Reservation Information

Lunch Options
It is highly recommended that you reserve a 30-minute time slot for lunch when making your field trip reservation. This applies whether or not you preorder meals or bring bag lunches. Space is limited in the café and reservations are available on a first come, first served basis. Depending upon your travel time, you may want to schedule your mealtime earlier or later in the day.

*Note: The Museum is not an allergy-free space.*

Food Vouchers
Available in any monetary amount. Purchase them through Science Central: 617-723-2500.

School Group Meals
We recommend that you preorder meals, which are prepared in advance for your group and cost $6.25 per person. Choose from five entrées: individual cheese pizza (five-inch size), hamburger, turkey and cheese sandwich on whole wheat bread, ham and cheese sandwich on whole wheat bread, or chicken Caesar salad.

Bag Lunches
If you plan to eat in the Museum, it is highly advisable to reserve a lunch space and mealtime with Science Central. The Museum will store your lunches in bins until your scheduled time. All bag lunches must be picked up at the same time by all group members before entering the Riverview Café at your scheduled time.

Box Lunches to Go
For a larger meal, you can preorder box lunches for $13.25 per person. Requests must be placed at least ten business days in advance. To order: 617-589-0447, groupsales@mos.org.

Lunch Tips
- Schools are allotted 30 minutes in the school group area of the Riverview Café once reserved—plan for five minutes to pick up and distribute lunches, 20 minutes to eat, and five minutes to clean up and exit the café.
- Designate chaperones to help organize groups retrieving their lunches.
- Plan to meet a Museum school group team member behind the Information Desk five to ten minutes before your scheduled lunch time.
- If storing lunches without Museum bins, pack lunches in coolers, bags, and/or boxes by class; label containers with class and school names. Your lunches will be delivered to you in the café at your scheduled lunch time. Please specify that you plan to do this at time of booking so we can be better prepared to expedite your visit.
- If all of your group members are purchasing lunch, you may sit anywhere available on the public side of the café, in the Red Wing Atrium, or outside when the weather permits. Consult with a school group team member about options for your group upon arrival at the Museum.

Teachers get free Exhibit Halls access *only* with the Teacher Partner Program

TEACHER PARTNER PROGRAM
Active K – 12 teachers currently employed in public or private New England schools are invited to join! Enjoy the following benefits:

- Free individual Exhibit Halls admission when you present your Teacher Partner card and ID at the main entrance.
- Free pre-field trip passes to the Mugar Omni Theater, Charles Hayden Planetarium, 4-D Theater, and Butterfly Garden.
- $10 off a new Museum membership.
- 10% discount on purchases in the Museum store.
- Borrowing privileges for books, curricula, and DVDs in the Educator Resource Center.
- Tickets to all venues at the school group rate for you and up to 11 students when you present your Teacher Partner card at the time of purchase at the Museum box office. *Note: The school group rate is available for qualifying school groups during the school year (September – June), excluding weekends, holidays, and school vacation weeks.*
- Monthly E-News for Educators subscription.

For more information or to sign up: mos.org/teacher-partners, 617-589-0174, 617-589-0417 (TTY)
$5 Field Trips in September, October, and January
Eligible schools can take advantage of special pricing for field trips available during these months. Exhibit Halls admission for students and chaperones is $5 per person. This discount is available for schools that offer free and reduced lunch participation at or above 35%.

Pair your discounted Exhibit Halls admission with an IMAX® film, Planetarium show, the Butterfly Garden, or the 4-D Theater for just $4 more. For details and related Museum offerings: mos.org/field-trips.

Multiple-Visit Rates
If you plan to return to the Museum with the same students, you may receive 50% off Exhibit Halls admission for the second visit. When making reservations, please inform Science Central that you will be visiting more than once with your group.

Bus Scholarships
Funding to assist with bus transportation costs is available for qualifying schools during the school year. All requests require an existing school group reservation with Science Central: 617-723-2500. Funding requests should be submitted by completing the web request form: mos.org/school-requests. Please include your field trip confirmation number in the web form. Funding is limited and is distributed first come, first served.

Other Scholarships
Reduced Exhibit Halls admission is available for qualifying schools. Funding requests should be processed while making a reservation with Science Central: 617-723-2500. Funding is limited and is distributed first come, first served.
Exhibit and Field Trip Activities

A full roster of thought-provoking demonstrations, films, shows, drop-in activities, and special hands-on staffed exhibit areas provide great options for creating an inspiring field trip that meets your educational goals. Use pages 12 – 27 to select activities, then create your own field trip guide, best suited to your Museum visit and lesson plan, at mos.org/educators.
Customize a Field Trip Guide

Field Trip Guides: Build a Fun, Focused Field Trip
The Museum offers a number of suggested field trips that can help educators plan an exciting day of exploration for your students and provide a tool for guiding chaperones. You can also customize your own guide online—including only the activities you want to do! These guides will help you make the most out of your visit by highlighting exhibits, films, and presentations that relate to your curriculum, including specific questions and conversation starters that you create.

Note: Some offerings may require separate tickets and advance reservations. Materials developed for this project are provided with the generous support of Liberty Mutual.

Make Your Own Guide
Now you can create your own field trip guide using our easy online tools! It’s simple:

• Go to mos.org/field-trip-activity-sheets. Choose from one of our existing guides or click “Create a Guide From Scratch.”

• Choose exhibits, films, shows, or presentations to highlight on your trip.

• Add questions and conversation starters to help your chaperones connect student experiences to your curriculum.

• Print your customized guides right from the computer, including exhibit photos, a Museum map, and your group’s schedule.
Live Presentations and Activities

Science, Technology, Engineering, and Mathematics (STEM) Programs
Choose from a variety of regularly scheduled live shows that can support your curriculum goals.
Get your students excited about science! Join Museum educators for fun, interactive stage shows that bring a fresh perspective to a variety of topics. There are two types of presentations: live presentations on the daily schedule and live presentations by special request. Live presentations by special request require advance reservations. Schedule subject to change without notice. Fee: Free with Exhibit Halls admission. Details: mos.org/live-presentations.

Live Presentations: Regularly Scheduled
A number of live shows are offered daily in the Exhibit Halls. For detailed program descriptions and curriculum connections, visit mos.org/live-presentations. For the daily schedule, visit mos.org/daily-schedule.

Live Animal
GRADES K – 12 Explore the adaptation, behavior, and ecology of animals—as well as the environments they live in—with the furry, feathered, and scaly residents of our Live Animal Care Center.

Lightning!
GRADES 3 – 12 Explore lightning and storm safety as indoor bolts hurled by the world’s largest Van de Graaff generator spark insight into conductors, insulators, and the interaction of electricity, magnetism, and charge.

Super-Cold Science
GRADES 3 – 12 Investigate how heat and temperature relate to the movement of atoms and molecules, and experience their extreme, even bizarre, effect on solids, liquids, and gases.
Available: October – February. Check mos.org/daily-schedule for days and times.

Science Snapshot
GRADES 6 – 12 Take a look at the latest science and technology headlines and research advances to appreciate their impact on our lives.
Live Presentations: By Request

School groups of 25 or more may request our dynamic presentations below. If the same show is already offered on the day of your visit, please attend the scheduled show in lieu of requesting another. Check mos.org/daily-schedule for scheduled shows. Arrive 10 minutes prior to the show to better ensure your group’s seating.

Program requests are accepted October through May, first come, first served. First, reserve a field trip by contacting Science Central at 617-723-2500. Next, complete a web request form using your Museum field trip confirmation number: mos.org/school-requests. Subject to availability, your requested presentation will be confirmed by email. Check individual program descriptions for details about special requests.

Balance and Motion

GRADE 2 – 4 Marvel as a fearless presenter tips atop a giant contraption to investigate balance and how forces cause changes in motion.


Fantastic Forces

GRADE 5 – 12 Discover how a magician’s tablecloth, exploding newspaper, pencil-gun, bullwhip, or rocket car dramatically demonstrates relations between mass, velocity, acceleration, and force as described by Newton’s laws of motion.


Incredible Energy!

GRADE 3 – 12 Featured elements from projectiles, explosions, and brain-racking pendulums incredibly illustrate energy’s many forms, its transfer, and how it relates to work and power.


Mind Games and Optical Illusions

GRADE 3 – 12 Discover what perception-bending illusions reveal about the ways human sensory systems and our brains interact with the world.


Sound and Music

GRADE 3 – 12 Explore volume and pitch with vibrations from a medley of improvised instruments creating sounds and music that move and inspire.

Live Presentations: By Request

Advance registration required. Larger groups can pre-arrange or request some of our dynamic live presentations. A web request form is required: mos.org/school-requests.

Program requests are accepted October through May, first come, first served. A web request form is required: mos.org/school-requests. Some restrictions apply.

Super-Cold Science

GRADES 3 - 12 Investigate how heat and temperature relate to the movement of atoms and molecules, and experience their extreme, even bizarre, effect on solids, liquids, and gases.


Weather Wonders

GRADES 3 - 12 Indoor wind, clouds, fog, and snow? Anything is possible when discovering how air, water, and temperature combine to cause weather changes, and elements of the weather are made before your eyes!


Earth and Space Exploration

GRADES 6 - 12 Learn about our changing planet and space exploration! Potential topics include earthquakes, volcanoes, and the latest news about space missions.


Our Bodies, Our Health

GRADES 6 - 12 Discover the latest in health science! Potential topics include a variety of diseases and treatments.

Energy Challenges and Solutions

GRADES 6 – 12 Investigate current energy issues while learning how renewable energy or nanotechnology solutions could power our future.


Technology in Our Lives

GRADES 6 – 12 Find out about some of technology’s greatest achievements! Potential topics include robotics, computers, and other innovative discoveries.


Exhibit Investigations

GRADES 1 – 8 Join Museum educators for a themed exploration of an exhibit! A Museum educator will lead an investigation activity that promotes the development of science inquiry, engineering design, and/or math skills; we will provide supporting resources to help focus student exploration of the surrounding exhibit. Support materials such as a chaperone’s checklist are available for teachers and chaperones to assist in facilitation.

Programs are available by request only; subject to availability. Complete web request form at least two weeks in advance: mos.org/school-requests. Available: Thursdays ONLY. Time: 10:00 a.m. – 12:00 p.m. Participating schools need to divide students into groups no larger than 30 to 40. Each group should plan to spend 30 minutes in the exhibit.

Below are some of the available Exhibit Investigations themes:

- Alternative Energy
- Animal Adaptations
- Forces at Play
Live Presentations and Activities

Drop-In Activities
Stop by during program hours for these drop-in, hands-on activities. A typical stay for a school group is between 10 and 20 minutes. Due to capacity limits, groups of 20 or more should contact us for scheduling assistance. Activities may not be reserved but, for some, the topic of the day can be requested, based on availability.

Fee: Free with Exhibit Halls admission. Programs not available during holidays or Massachusetts school vacation weeks. Schedule for weekdays only is subject to change without notice. Details: mos.org/drop-in-activities.

Investigation Station
GRADES PRE K - 12 Think like a scientist as you gather evidence and look for answers. Investigation activities vary daily from chemistry investigations to making your own electricity. Stop by and try them yourself!

No reservations accepted. Open most school-day mornings. See daily schedule for program availability: mos.org/daily-schedule. Capacity: 10 (small groups can rotate through as students explore the surrounding exhibit). Location: Investigate! Exhibit.

Hands-On Laboratory
GRADES 2 - 12 The Hands-On Laboratory is a fun, interactive learning laboratory program that encourages visitors of all ages to explore a variety of topics in the sciences—from chemistry to genetics to nanotechnology to microbiology—using many of the same tools and techniques as real scientists. Stop by for ongoing activities and investigations. Please check mos.org for an up-to-date schedule and activities.

For scheduling assistance for larger groups, contact ehirequests@mos.org. Available: Tuesdays, Thursdays, and Fridays, October through May. Time: 10:30 a.m. – 12:30 p.m. Capacity: 15 – 20.

Below are some of the available Hands-On Laboratory themes:
- Archaeology
- Chemical Reactions
- Chemistry of Life (Photosynthesis and Cellular Respiration)
- DNA
- Light and Color
- Nanotechnology
- You Are What You Eat (Nutrition)

Design Challenges
GRADES 2 - 12 Dive into the engineering design cycle through a drop-in, hands-on 20-minute activity to design, build, and test a prototype solution to a given problem. School groups can request a specific design challenge for the day of their visit.

Email designchallenges@mos.org at least two weeks in advance to request a topic. Available: Daily. Time: 10:30 a.m. – 12:30 p.m. Capacity: 40.

Below are some of the Design Challenges now in rotation:
- Create a Claw
- Echo Base Bobsleds
- Ewok Escape
- Extreme Trampoline
- Ships Ahoy!
- Shipwrecked!
**Maya: Hidden Worlds Revealed**

**Exhibit Opens October 12, 2014**

The ruined cities of the ancient Maya have captured our imaginations since news of their discovery in the jungles of Central America in the mid-19th century. Research has revealed a culture with a sophisticated worldview that, during its Classic period (250 – 900 AD), rivaled any European civilization. Give your students the chance to experience a world-class exhibition and rediscover a lost civilization. Encounter the richness of Maya culture by investigating authentic artifacts, traditions, and more. Stand next to life-size re-creations of classic Maya architecture and explore the hidden worlds of the Maya—past and present.

Your students are able to:

- Engage in hands-on explorations of building arches, deciphering hieroglyphs, drilling techniques, Maya calendar translations, and more.
- Understand that contemporary Maya people maintain many cultural practices and beliefs that link them to their ancestors.
- Take part in the process of discovery to learn how archaeologists use science, technology, and contemporary Maya voices to interpret the past.
- Find evidence that shows the relationship between writing, mathematics, astronomy, architecture, urban planning, and the sophisticated worldview of the Maya.

School rate: $4 add-on to Exhibit Halls admission. Recommended for grades 3 – 12. Topics of exploration include: world history, social studies, geography, archaeology, astronomy, science, engineering, art, writing, architecture, and mathematics.

*Maya: Hidden Worlds Revealed* educator guide available fall 2014 at mos.org/maya.

**ADDITIONAL OFFERINGS**

- **Mystery of the Maya**
  Explore the science and the history of this fascinating culture.
  Mugar Omni Theater (see page 24)

- **Tales of the Maya Skies**
  Learn the story behind the Maya’s connection to the universe.
  Charles Hayden Planetarium (see page 26)

- **Maya: Hidden Worlds Revealed Teacher Workshop**
  **October 18, 2014 or January 10, 2015**

  Join Museum educators to begin planning a field trip to *Maya: Hidden Worlds Revealed*. Preview the exhibition and learn about related Museum resources that will support your curriculum goals.

  Capacity: 30. Time: 9:00 a.m. – 12:00 p.m.
  For updates and registration: mos.org/educators.
Staffed Exhibit Spaces

Investigate special exhibit areas where Museum educators and volunteers interpret exhibits and foster discussions with learners of all ages.

Butterfly Garden

GRADES PRE K - 12  Stroll among the free-flying residents of this warm conservatory that features living butterflies from New England and around the globe. Notice the details—size, color, pattern, wing shape—that make each species unique. Look for behaviors such as feeding, courting, and basking. Check out the Emergence Box, which offers a window into butterfly and moth behavior that stirs the human imagination: the metamorphosis from earthbound caterpillar to winged adult.

Timed tickets required. Fee: Exhibit Halls admission + $4. Special school program available for grades K – 3. (See Butterfly Garden Experience below).

Butterfly Garden Experience

GRADES K - 3  Focusing on butterfly life cycles, characteristics, and classification, this program gives students a close-up experience with these amazing flying insects. Students participate in guided observations led by Museum educators.


Discovery Center

GRADES PRE K - 2  Students focus on natural science as they work together to assemble a mystery skeleton or observe small animals at close range in this exhibit especially designed for young learners. They can also explore a Discovery Box full of real objects and models, such as dinosaurs, skulls, or owls, with the aid of staff and volunteers. Be sure to ask us about ten-to-fifteen-minute science experiments or engineering challenges available for small groups at the Experiment Station. Plan on visiting in small groups (no more than 10 students at a time) on a staggered schedule.

There are many factors that affect and determine who we are today, including cell structure, DNA, RNA, proteins, and how traits are influenced by environments. This space helps visitors understand the environmental forces that work with our genes to make us who we are. Five environments—Communities, Time, Organisms, Food, and Physical Forces—are anchored by Link Stations. In the Hall of Human Life, through digital media and learning more about themselves, students investigate questions scientists are asking today.

The exhibition’s 70+ interactive components are revolutionizing how we engage with our biology and manage our health, through three lenses. Through the anatomical lens, students explore how humans are changing as individuals, day-to-day, and during a lifetime. Through the evolutionary lens, they explore how humans are changing—evolving—as a species. And through the environmental lens, students explore how humans are changing the environment and, in turn, how the environment changes us, not just on the cellular level, but all the way down to our genes.

The Biogen Idec Foundation Exploration Hub

Visitors interact with staff and volunteer interpreters while participating in hands-on activities, which vary daily. To request a specific activity, email hhl-requests@mos.org.

Provocative Questions

Every six months, the Museum will pose a new social-scientific question: one that science can inform but cannot answer. This interactive encourages conversations where students think about how their experiences and values, along with evidence from science, influence their decision-making processes, building critical thinking and communication skills.

Living Laboratory®

Local scientists conduct their research as a hands-on activity so Museum visitors can learn about science by being part of it. Participants (or their legal guardians, if under age 18) must provide their consent to take part in the study. Even if students do not participate, they can still experience the activity, observe the study in action, and ask researchers about their hypotheses and how they are conducting their studies. Researchers are available on varied schedules.

Hall of Human Life educator guide available at mos.org/exhibityou.
High School Science Series

Immerse yourself in ancient artifacts, numbers, neuroscience, human health topics, climate change, and even candy. Students participate in hands-on activities and learn from local scientists and researchers. Make your curriculum come alive! Choose from the list below and visit mos.org/educators for more information.

Capacity: 75 students per school per event. Funding is provided for Massachusetts schools in part by the Lowell Institute.

International Archaeology Day

Maya History and Culture

October 17, 2014

GRADES 6 - 12 International Archaeology Day is a celebration of archaeology and the thrill of discovery! Join us as we explore archaeology and the past in relation to the traveling exhibit Maya: Hidden Worlds Revealed. (Separate admission ticket required for exhibit; accessible via Red Wing.)

Location: Cahners Theater. Time: 10:30 a.m. Capacity: 300.

National Chemistry Week

The Sweet Side of Chemistry—Candy

October 31, 2014

GRADES 9 - 12 This annual event includes a stimulating talk in Cahners Theater and hands-on chemistry activities throughout the Museum. Learn about the chemistry of sweet, sour, stretchy, and sticky, explore the science behind foams, gels, and emulsions, and learn how artificial sweeteners work!

Location: Cahners Theater. Time: 10:30 and 11:30 a.m. Capacity: 300.

How Do We Think? How Do We Learn?

November 14, 2014

GRADES 9-12 The Museum’s Living Laboratory® program lets visitors be a part of science as it happens; turning experiments into hands-on activities and bringing them face-to-face with actual researchers. Our research partners study a wide range of human behavior including human perception, memory, and how our DNA influences our behavior. Students will have the opportunity to learn about and ask questions about some of these novel research studies.

Location: Cahners Theater. Time: 10:30 a.m. Capacity: 300.
Race and Ethnicity
January 14, 2015

GRADES 9 – 12  Are we really so different? Join a discussion to confront some common myths about race and ethnicity. Small group activities will debunk previously held “facts” about race. Students are also encouraged to explore the Hall of Human Life exhibition as part of their field trip.
Location: Cahnrs Theater. Time: 10:30 a.m. Capacity: 300.

The Power of Numbers
January 27, 2015

GRADES 8 – 12  What shape is the number 30? What about 12? Modeling mathematics demands an inquiry approach to mathematics. Dr. Anne Collins, director of mathematics programs and director of the Center for Mathematics Achievement, Lesley University, will lead students to examine the mathematics behind the building of structures and explore how numbers have shapes depending on the number of their prime factors.
Location: Cahnrs Theater. Time: 10:30 a.m. Capacity: 300.

In Deep Water:
Climate Change and Sea Level Rise in Boston
February 6, 2015

GRADES 9-12  In this changing climate, sea level rise is expected to affect many coastal cities, including Boston. Learn the science behind climate change and sea level rise and discuss what we can do about it. In addition to the 10:30 a.m. presentation, groups will participate before or after the lecture in a 45-minute forum-style workshop. (Separate reservation required for the workshop and is only available to groups who attend the lecture.)
Location: Cahnrs Theater. Time: Lecture, 10:30 a.m.; Workshop, 9:30 or 11:45 a.m. Capacity: 150.

Health Fair | Bacteria and Viruses: Bad and Good?
March 20, 2015

GRADES 9 – 12  Learn and have conversations about the latest research from scientists and healthcare professionals who specialize in this field. This special event features guest speakers, hands-on activities throughout the Museum, and exploration of the Hall of Human Life.
Location: Cahnrs Theater. Time: 10:30 a.m. Capacity: 300.

Mosquito Engineering
April 7, 2015

GRADES 9 – 12  Mosquitoes carry the malaria parasite and the virus that causes dengue fever. Releasing genetically modified mosquitoes into new environments could bring us closer to eradicating these diseases but may cause unforeseen consequences. Hear from a scientist about current research at 10:30 a.m. and participate before or after the lecture in a 45-minute forum-style workshop to discuss. (Separate reservation required for the workshop and is only available to groups who attend the lecture.)
Location: Cahnrs Theater. Time: Lecture, 10:30 a.m.; Workshop, 9:30 or 11:45 a.m. Capacity: 150.

ADDITIONAL OPPORTUNITIES

Student Archaeology Fair
October 17, 2014

GRADES 3 – 12  Experience the excitement of archaeology with dozens of hands-on activities, live presentations, and special programs. Talk to more than 25 archaeologists from New England, and explore how their research is changing the way we look at the past.
Co-sponsored by the Archaeological Institute of America.

Amazing Nano Brothers Juggling Show

GRADES 4 – 8  Virtuoso jugglers Dan and Joel perform a humorous introduction to the mysteries of matter—including atoms, molecules, and nanotechnology.
Length: 40 min. Note: Special advance bookings may be available by request at the Museum or at local schools. Contact nano@mos.org for pricing and availability.
Made possible by the Center for High-Resolution Nanomanufacturing at Northeastern University and UMass-Lowell and the Nanoscale Science and Engineering Center at Harvard University. Funded by the National Science Foundation and the Massachusetts Technology Collaborative.

For Community or Afterschool Groups: Teen Talks
The Museum’s Teen Science Leadership Council facilitates talking circles for teens on subject matters that are traditionally viewed as taboo. Led by teens themselves, these circles dispel common myths in a safe space where individuals can explore their personal feelings, be vulnerable, and confront challenging issues. Currently available Teen Talks topics include: Science and Faith, Race and Ethnicity, and Reproductive Health (available Spring 2015).
Fee: Free. Available: Wednesdays, November through May, 4:30 – 6:30 p.m. by request only. To request: 617-589-0334, lgreen@mos.org.
Curriculum Connections

An overnight field trip is a great way to learn about and make connections across a wide range of science, technology, engineering, and math topics. Many overnight activities are organized using the Massachusetts Science and Technology/Engineering Curriculum Framework and National Science Education Standards. Most offerings explore more than one curriculum standard. Special workshop topic and activity requests are accommodated whenever possible.

Fall 2014 Dates for School Groups

Thursday, October 16
Friday, October 24
Thursday, November 6
Friday, November 7

Ask about opportunities for funding on fall overnight dates!

Please visit mos.org/overnights for a list of 2014 – 2015 dates.

Overnight Field Trips

GRADES 1 - 7  Spend the night with your students at the Museum and enjoy hands-on science activities, science demonstrations, a late-night Lightning! show, a Planetarium show, AND an IMAX® film. Students explore the Museum and even get a chance to sleep under a dinosaur or a giant grasshopper!

**IMAX® Films**

New England’s only five-story-tall, 180° IMAX® Dome screen wraps audiences in larger-than-life images of flora, fauna, and faraway places. A state-of-the-art digital sound system completes the immersion effect. Rear window captioning, show scripts, and special soundtracks are available for select shows. Educator guides are available for most films (downloadable from mos.org).

*Fee: $6, or $4 if added to Exhibit Halls admission. Location: Red Wing, Level 1. Length: 50 min. Capacity: 314. Days, times, additional shows: mos.org/imax. Schedule subject to change without notice. Reserve tickets at least 24 hours in advance.*

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**Galapagos**

**GRADES 3 – 12** Retrace the footsteps of Charles Darwin as a young scientist explores the biological diversity and unique geologic history of the Galapagos archipelago. Plunge 3,000 feet into underground lava tubes, soar over 5,000-foot volcanoes, and encounter an abundance of marine life including marine iguanas and the world’s largest shark, the whale shark.


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**Mystery of the Maya**

**GRADES 3 – 12** Deep within the jungles of Mexico, Guatemala, and the Yucatan Peninsula lie the fabled pyramids, temples, and palaces of the Maya. Filmed on location at numerous sacred sites through Central America, *Mystery of the Maya* explores the culture, science, and history of this captivating civilization.

*Available: Opens October 10, 2014. Co-produced by the National Film Board of Canada, the Instituto Mexicano de Cinematografia, and the Canadian Museum of Civilization, in association with Mexico’s Secretaria de Turismo, the Consejo Nacional para la Cultura y las Artes, and the Houston Museum of Natural Science.*

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**Pandas: The Journey Home**

**GRADES 1 – 12** Pandas are a lovable, iconic, and—unfortunately—highly endangered species. Meet the dedicated team working tirelessly to save these captivating creatures from extinction, and witness an incredible story of survival.

*Available: Closing winter 2015. A National Geographic Entertainment Production in partnership with Oxford Scientific Films and Sky3D.*

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**Humpback Whales** **NEW!**

**GRADES 3 – 12** This ocean adventure tracks scientists as they seek answers about this giant mammal. Once on the brink of extinction, humpback whales have made a breathtaking recovery, and we have a role in protecting them.

*Available: Opens February 2015.*
Special School IMAX Shows
We have set aside a special time just for schools! Choose the 11:00 a.m. IMAX showing to see one of our special school IMAX shows pre-selected to support your science and social studies curriculum.
Films will rotate each week. Check mos.org/imax for schedule. Films and schedule subject to change without notice.

Amazing Journeys
Follow the life-and-death dramas of five of the most incredible animal migrations—monarch butterflies, migratory birds, gray whales, red crabs, and zebras.

Forces of Nature
Witness the awesome power of nature’s most spectacular events as you meet three scientists studying tornadoes, volcanoes, and earthquakes.

Greece: Secrets of the Past
Explore the beautiful Greek Islands and the roots of the Golden Age of Greece as you follow a team of archaeologists piecing together the puzzles of ancient history.

The Human Body
Follow a family from dawn to dusk as they go about their daily routines, and experience a telling tale of the extraordinary feats that take place beneath the skin every day.

Jerusalem
Take an inspiring, eye-opening tour of one of the world’s oldest, most enigmatic cities. Destroyed and rebuilt countless times over 5,000 years, Jerusalem’s timeless appeal endures.

Lewis and Clark: Great Journey West
Trace the 28-month, 8,000-mile search for a northwest passage. See the danger and beauty of the unknown West as it unfolded before the eyes of Lewis and Clark over two hundred years ago.
Out of This World

Inspire your students with the breathtaking awe of the universe! The Planetarium uses state-of-the-art systems to illuminate Earth science, astronomy, and space exploration. Watch trailers find educator guides and more at mos.org/planetarium.


For Schools Only

These interactive adventures feature live presenters who can fly school groups anywhere in the universe, revealing astronomical wonders and the intriguing science behind them. Audiences are encouraged to ask questions along their journey.

Explore the Solar System

GRADES Pre K – 5 Blast off of Earth and soar through space to discover the exciting sights of our solar system. Students will fly by the Moon and the planets, and figure out the mystery of what happened to Pluto.

Time: 10:30 a.m., Monday – Friday. Educator guide available.

Explore the Galaxy

GRADES 5 – 12 Our solar system is only the first stop on a journey to even more distant and mind-boggling sights. Leave Earth behind and fly to the very edges of the Milky Way galaxy in this exploration of our place in space.

Time: 11:30 a.m., Monday – Friday. Educator guide available.

For All Audiences

These shows are available outside of school showtimes, covering a variety of topics from the ancient Maya skies to intrepid robotic explorers. Check our schedule on mos.org/planetarium to help plan your visit.

Tales of the Maya Skies NEW!

GRADES 3 – 12 Immerse yourself in Maya science, art, and mythology and see how their incredible astronomical achievements connected the Maya people to the universe.


Magic Tree House® Space Mission

GRADES 2 – 5 Prompted by a mysterious note left in their tree house, brother-and-sister duo Jack and Annie embark on a wondrous journey of adventure and learning to answer questions about space.

Moons: Worlds of Mystery

GRADES 3 – 12 Take a journey through our solar system and explore the remarkable diversity—and surprising might—of moons!

Educator guide available. Produced by the Museum of Science.

From Dream to Discovery: Inside NASA Engineering NEW!

GRADES 5 – 12 Experience the challenges of the next generation of space exploration. By using exciting, real-life projects like NASA's James Webb Space Telescope and the New Horizons mission to Pluto, the show highlights the extreme nature of spacecraft engineering and the lifecycle of a space mission—from design and construction to the rigors of testing, launch, and operations. Blast off with us!


Educator guide available. Produced by the Museum of Science.
Films You Can Feel

Experience the visually captivating high-definition capabilities of a 3-D film with in-theater special effects such as wind and snow. This multi-sensory, immersive attraction is a treat for all your senses!


Dora & Diego’s 4-D Adventure

G R A D E S  P R E  K – 3 Join your adventurous amigos Dora, Diego, and Boots to catch a Robot Butterfly on Nickelodeon’s high-speed, eye-popping chase from the warm rainforest to the icy Arctic!

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Happy Feet 4-D Experience!

G R A D E S  P R E  K – 12 Put on your dancing shoes and boogie with Mumble the penguin! Journey to Antarctica to meet a lively colony of Emperor Penguins, and watch as Mumble sets out on an adventure to appeal to humans to stop stealing the colony’s fish.

HAPPY FEET and all related characters and elements are trademarks of and © Warner Bros. Entertainment Inc. (s14)

Planet Earth: Shallow Seas 4-D Experience

G R A D E S  3 – 12 In this epic adventure, hear the power of the ocean’s waves as they crash along the shorelines, and feel the salty spray as you surf the coast with Atlantic bottlenose dolphins in search of food. Glide alongside a cast of balletic sea lions as they dive through vast swirling bait balls of anchovy, track a mother humpback whale and her calf as they navigate from their tropical nursery to the Arctic Circle, and experience a great gathering of seabirds and whales.

A BBC/Discovery Channel/NHK co-production, in association with the CBC.
PHOTOGRAPHY © Doug Perrine/naturepl.com

The Polar Express 4-D Experience COMING THIS WINTER!

G R A D E S  P R E  K – 12 Go on an extraordinary 4-D adventure this holiday season on THE POLAR EXPRESS! When a doubting young boy takes an extraordinary train ride to the North Pole, he embarks on a journey of self-discovery that shows him that the wonder of life never fades for those who believe. THE POLAR EXPRESS 4-D Experience is based on the inspiring and beloved Caldecott Medal children’s book by Chris Van Allsburg.


Based on THE POLAR EXPRESS book and characters™ & ©1985 by Chris Van Allsburg. Used by permission of Houghton Mifflin Company. All rights reserved. TM & © Warner Bros. Entertainment Inc. (s14)
Educator Resources

A visit to the Museum is just one way we can help you educate your students. The Museum can also come to you through our Traveling Programs, which visit schools throughout New England every day. For teachers who wish to sharpen their skills or develop professionally, we offer special programs and events throughout the year as well as curriculum materials.
Educator Support Services

The Educator Resource Center (ERC) in the Lyman Library supports the Museum’s goal of improving science, technology, engineering, and mathematics (STEM) literacy in grades K – 12. The center provides a range of services for teachers to foster their professional growth and support their classroom teaching. We encourage educators to schedule time in the ERC for resource review and individual or small-group professional development. For drop-in hours and more information about our resources: mos.org/educator-resource-center.

Location: Green Wing, Level 3. Contact: 617-589-0174, 617-589-0417 (TTY), library@mos.org.

Professional Development Opportunities

As partners in science, technology, and engineering education, we provide ongoing programs for educators as adult learners and as teaching professionals. These programs are offered free of charge and engage participants in science and engineering practices while exploring Museum resources.

Ongoing programs include:

• Short Workshops: Half-day programs use Museum resources to engage teachers in science and engineering topics and encourage participants to explore new content and teaching ideas.

• Team Professional Days: Teams of educators are encouraged to schedule professional development time in the ERC. Half- or full-day sessions are available at no cost. Group size, date, and program focus are negotiable. Teams have access to Museum print and media resources, exhibits, educational programs, and talented staff in support of their learning goals.

To learn more about our professional development offerings and to view our upcoming workshops, visit mos.org/professional-development.

Visiting the Educator Resource Center

Please note that the library is closed to the public. Educator Resource Center services are available during our drop-in hours or by appointment. Most services and programs are complimentary, parking included. We are available to educators by appointment Tuesday through Saturday. Please contact the ERC to schedule an appointment: 617-589-0174, library@mos.org.

September Sunday

September 21, 2014

What new programs and exhibits in STEM education does the Museum offer students and educators? September Sunday provides the answer! Members of our Teacher Partner Program and up to three guests are invited to a free day of fun, exploration, and learning. See how the Museum’s offerings connect to education standards and how to enhance your students’ educational experiences in these important fields of study. Admission to the Exhibit Halls and up to two ticketed venues is free.

Parking: Free in the Museum garage. Some restrictions apply.
Time: 9:00 a.m. – 1:00 p.m. To register: mos.org/professional-development.

Library Collection

Our 18,000-volume collection covers a broad range of science, engineering, technology, and mathematics topics. Here you’ll find:

• Topic-specific trade books and storybooks appropriate for students in grades K – 12

• Standards-based curricula

• Resources for professional practice and growth

• DVDs of popular science series

The collection is updated regularly, so come back often to see what’s new! Library borrowing privileges are available exclusively to members of our Teacher Partner Program. Browse our collection online at mos.org/educator-resource-center.
National Center for Technological Literacy: Leading the Nation

The Museum’s National Center for Technological Literacy® (NCTL®) strives to promote the study of engineering from elementary school through high school, college, and beyond. The NCTL accomplishes this goal through educational products such as the curriculum materials listed, professional development opportunities, and advocacy.

To learn how the NCTL can help your school district advance its commitment to technology and engineering education, visit mos.org/nctl.

Engineering is Elementary® (EiE®)

GRADES 1 – 5 Engineering is Elementary is a research-based curricular program that integrates engineering and technology concepts into elementary science topics while also making connections to literacy, social studies, and mathematics. Each EiE unit includes four engineering lessons and an illustrated storybook in which a child takes on an interactive design challenge (creating windmills, bridges, water filters, etc.). EiE offers professional development workshops for elementary school educators all year.

For more information on the EiE program, workshops, or to place an order: mos.org/eie.

Engineering Adventures® (EA)

GRADES 3 – 5 Engineering Adventures is an out-of-school time (OST) curriculum developed by the Engineering is Elementary team. EA aims to create OST activities and experiences that engage all learners in engineering and the engineering design process. Each EA unit includes six to ten activities that provide children with the experience they’ll need to complete the culminating engineering design challenge. Each unit includes a design showcase where children can share what they have engineered with others.

For more information and to download units, visit: engineeringadventures.org.

Engineering Everywhere™

GRADES 6 – 8 The Engineering Everywhere curriculum provides middle school students in out-of-school time (OST) the chance to engineer and engage in the engineering design process. Developed by the Engineering is Elementary team, Engineering Everywhere includes six to ten scaffolded engineering activities culminating in an exciting design challenge.

For more information and to download units, visit: engineeringeverywhere.org.

Building Math

GRADES 6 – 8 Design challenges capture the imagination of young engineers! This innovative curricular program helps teachers explore algebra and engineering in contexts appealing to middle school students. Each of three units (Amazon Mission, Everest Trek, and Stranded!) poses hands-on design challenges in an exciting adventure story that reinforces mathematical reasoning.

To place an order: walch.com. Funded by the GE Foundation in a partnership between Tufts University and the Museum of Science. Published by Walch Publishing.

The NCTL is developing Engineering Now, a new middle-school technology and engineering curriculum, in collaboration with the Design Squad television show. These supplemental units tie common science topics to hands-on engineering design challenges. Multimedia materials include short “webisodes” of real engineers and scientists working in US defense laboratories. To view webisodes: ndep.us/LabTV.

Engineering the Future: Science, Technology, and the Design Process™

GRADES 9 – 12 This groundbreaking curriculum, used in high schools across the nation, emphasizes the relevance of science and math concepts through student design projects. The main textbook, with first-person stories from 32 practicing engineers and technicians, introduces students to diverse engineering professions and guides them in applying science, math, and physics to real-world problems. Engineering the Future® aligns with state standards and covers the technology standards embedded in the National Assessment of Educational Progress (NAEP) exam.

For more information: mos.org/etf. To place a textbook order: keypress.com/etf.
Bringing the Museum to Your School

Our team of educators will travel throughout New England to bring the Museum’s unique educational experiences to your school. Entertaining and interactive, our Traveling Programs are comprised of grade-specific content and support the Massachusetts Science and Technology/Engineering Curriculum Framework. Most offerings are limited to individual grades, but a few can be booked for small ranges of grade levels.

Scholarships for qualifying schools and discounts are available. Details: 617-589-0354, travelingprograms@mos.org, mos.org/travelingprograms.

Traveling Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Grade</th>
<th>Type</th>
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<tbody>
<tr>
<td>Dig into Dinosaurs</td>
<td>pre K – 2</td>
<td>INT</td>
</tr>
<tr>
<td>Engineering: Bridges Workshop</td>
<td>pre K – 2</td>
<td>INT</td>
</tr>
<tr>
<td>Animal Habitats</td>
<td>K – 2</td>
<td>PRES</td>
</tr>
<tr>
<td>Life Cycles</td>
<td>K – 2</td>
<td>PRES</td>
</tr>
<tr>
<td>Observing Air &amp; Flight</td>
<td>K – 2</td>
<td>PRES</td>
</tr>
<tr>
<td>Observing Electricity &amp; Magnets</td>
<td>K – 2</td>
<td>PRES</td>
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<tr>
<td>STARLAB: Lower Elementary</td>
<td>K – 2</td>
<td>IMM</td>
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<tr>
<td>States of Matter</td>
<td>2 – 5</td>
<td>PRES</td>
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<tr>
<td>Animal Adaptations</td>
<td>3 – 5</td>
<td>PRES</td>
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<tr>
<td>Geology: Rock Detectives</td>
<td>3 – 5</td>
<td>INT</td>
</tr>
<tr>
<td>Motion: Forces &amp; Work</td>
<td>3 – 5</td>
<td>PRES</td>
</tr>
<tr>
<td>Now Hear This: The Sound of Science</td>
<td>3 – 5</td>
<td>PRES</td>
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<tr>
<td>STARLAB: Upper Elementary</td>
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<td>IMM</td>
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<tr>
<td>Weather: Wind, Water &amp; Temperature</td>
<td>3 – 5</td>
<td>PRES</td>
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<tr>
<td>Electromagnetism</td>
<td>3 – 6</td>
<td>PRES</td>
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<td>Engineering: Windmills Workshop</td>
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<td>INT</td>
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<tr>
<td>Heat &amp; Temperature</td>
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<td>PRES</td>
</tr>
<tr>
<td>Motion: Speed, Velocity &amp; Acceleration</td>
<td>6 – 8</td>
<td>PRES</td>
</tr>
<tr>
<td>STARLAB: Middle School</td>
<td>6 – 8</td>
<td>IMM</td>
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</tbody>
</table>

KEY:

- IMM Immersive Program: Transforms the immediate environment using large-scale materials and models.
- INT Interactive Program: A workshop involving hands-on activities.
- PRES Presentation: Includes demonstrations of unique devices or live animals. Ideally suited to large groups (50+ participants).
Check mos.org for updates on our spring 2015 exhibit lineup!

Exhibit Opens October 12, 2014 | LIMITED ENGAGEMENT

The ancient Maya are renowned for their monumental architecture, astronomical expertise, and royal dynasties. Uncover the rise and eventual decline of this fascinating civilization—including its social, natural, and spiritual realms—through authentic artifacts, hands-on activities, multimedia components, and re-created environments. And learn how the Maya people and their culture endure to this day.

Made possible with support from the National Endowment for the Humanities.