



NEW JERSEY STATE MUSEUM

FIELD TRIP PLANNING GUIDE



SCHOOL YEAR 2016-2017

Exhibits that tell the story of New Jersey and beyond.

The state's largest Planetarium.

A Paleo Research Lab. Live Theater.

It's all here!



**NEW JERSEY
STATE MUSEUM**
Inspiration. On display.
www.statemuseum.nj.gov

LEARNING LABS & STUDIO EXPERIENCES

Spark creativity and curiosity through a wide array of hands-on workshops. Advance reservations are required. Call (609) 292-1382 or email njnm.reservations@sos.nj.gov for information and reservations.

Length: 45 minutes | **Cost:** \$3 per student

Maximum: 30 students per workshop session. Groups larger than 30 students may be split to rotate through workshops and other activities. Our team will help schedule your day!



DIGGING FOR DINOSAURS

Grades 2-7

Join a mock dig and excavate real fossils! Young paleontologists reconstruct a model dinosaur skull, discovering and interpreting evidence of New Jersey's prehistoric past. After your workshop, visit the Paleo Lab and explore *Written in the Rocks: Fossil Tales of New Jersey*.

EARTHQUAKES

Grades 4-12

Shake things up in this earth science lab with an engineering twist. Digging into earthquakes and plate tectonics, teams undertake an engineering design challenge, building and testing seismometers.

POLYMERS

Grades K-6

What do human hair, an astronaut's spacesuit and a rubber ball have in common? It's all about chemistry! This messy, inquiry-based lab experience highlighting New Jersey's history of innovation is a student favorite.

MUSCLE MANIA

Grades 2-6

Explore levers, tension and robotic systems like those used in space exploration. Construct a robotic arm to play simple games in this fun exploration of robotics and human anatomy.

LENAPE CRAFT TRADITIONS

Grades 2-5

The Lenape of New Jersey used natural resources to craft distinctive baskets and items for daily use and trade. Engaging in object-based learning, examine the materials and designs created by Lenape people, and weave a baskets while listening to a Lenape story.



WHAT IS A PORTRAIT?

Grades 2-8

Portraits display a person's likeness and share important clues about their life. Our inquiry-based studio experience draws on the Fine Art collection to identify portrait styles and media as students create their own portraits.



EARLY LEARNING

Created especially for preschool and pre-K, our programs teach science, history and art through creative play, crafts, stories and song. Advance reservations are required. Call (609) 292-1382 or email njnm.reservations@sos.nj.gov for information and reservations.

Length: 45 minutes | **Cost:** \$2 per student (Note: Stars and Shapes is \$3 per person)

Maximum: 25 students per workshop. Groups larger than 25 students may be split to rotate through workshops and other activities.

BACKYARD TWEETS

Follow Smiley the Coyote through the Museum as he searches for his family in this imaginative, story-based program. Along the way, discover how New Jersey's wildlife communicates through sound, dance, scent and color.



PAINT ME A STORY

Art and storytelling go hand in hand. Children explore the stories that paintings tell through color, themes and feelings in the Fine Art Gallery, and paint their own unique story.



STARS AND SHAPES FOREVER

Program includes *The Little Star that Could* Planetarium show and workshop. Introduce young children to the planetarium and our galaxy! Meet stars of all sizes and colors, discover the size of our universe, and model our solar system with creative play.



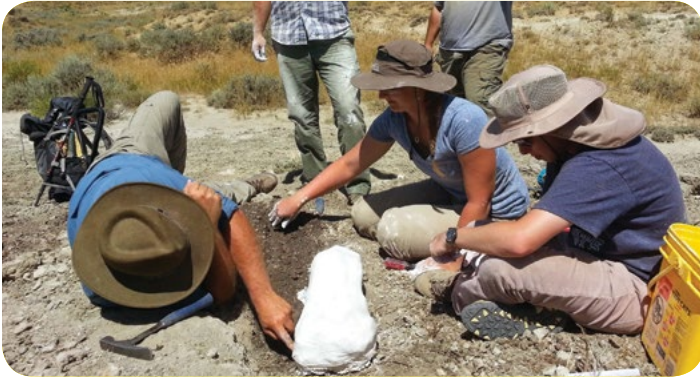
Your visit to the Museum is not complete without dropping into our newest play space designed just for kids ages 0-8. This fun, interactive play space includes books, puppets, costumes, fossils and more! Maximum 15 students in the space with adult supervision; groups of 15 or more may reserve time in advance.

ASK THE EXPERTS

Designed for large groups, our interactive assemblies connect students with Museum experts in Archaeology and Paleontology, and the objects they collect and research. Presentations are adaptable to students in grades 3-12. Advance reservations are required. Call (609) 292-1382 or email njnm.reservations@sos.nj.gov for information and reservations.

Length: 45 minutes | **Cost:** \$3 per student

Maximum: Large groups of 100 or more can be accommodated with a presentation in our auditorium.



NJSM IN THE FIELD: BIGHORN BASIN DINOSAUR PROJECT

For years, the Museum's own paleontologist Jason Schein has led the fossil-hunting Bighorn Basin Dinosaur Project to the wilds of Wyoming and Montana. Learn about the exciting discoveries, what fossils tell us about ancient ecosystems, and all of the challenges that come with this adventurous career.

THE POWER OF PLACE: ARCHAEOLOGY IN NEW JERSEY

Explore and compare unique artifacts, geography and environments of different archaeological sites with archaeologist Dr. Gregory Lattanzi to build an understanding of how prehistoric humans interacted with their world.



Paleo Lab

Take a peek at our latest fossil discoveries! Our scientists are hard at work, preparing new specimens from sites in New Jersey, Wyoming and Montana. We invite you to ask questions and observe their work. Self-guided and open to the public every day.



Ask the Experts: Video Learning Library

Bring our expert paleontologist right into your classroom! Ten short, engaging videos transport students from the Museum's Paleo Lab to a Montana dig site with the Bighorn Basin Dinosaur Project. These videos tackle the most frequently asked questions in Paleontology, accompanied by NGSS-aligned lessons exploring both Earth and Life Sciences.

Access the Video Learning Library at www.statemuseum.nj.gov under Teacher Resources.

NEW EXHIBITS

With a full calendar of changing exhibits, there is always something new to see at the New Jersey State Museum.

To focus learning, have students create a story about their visit using photos and video to capture their favorite things or have students choose an object to write an essay, poem or creative story about.



WRITTEN IN THE ROCKS: FOSSIL TALES OF NEW JERSEY

On long-term view

Explore 10 unique fossil stories that offer intriguing clues about our ever-changing planet, and how life on Earth has evolved and adapted... or gone extinct. Step back 3.5 billion years to discover our rich geologic history and the origins of fish, amphibians, turtles, birds, reptiles and mammals. Come face to face with New Jersey's own *Dryptosaurus*, the world's first known carnivorous dinosaur, reconstructed and displayed for the first time ever!



TOY WORLD

October 15, 2016–April 30, 2017

From the Monopoly spaces named for Atlantic City streets to the Jersey City inventor of the spring-loaded ball shooter on a pinball machine, *Toy World* presents the colorful and innovative stories of New Jersey's role in the American toy industry. The exhibit features many childhood favorites, including Lionel trains made in Hillside and Irvington, colorful tinsplate mechanical toys from the country's largest maker in Burlington, and dolls from the Chambersburg factory nicknamed the "World's Largest Doll House," plus a hands-on building area.

RESOURCES FOR TEACHERS

Visit www.statemuseum.nj.gov for:

- Info on preparing for your trip, including lunch reservations, parking and chaperone policies;
- Downloadable scavenger hunts;
- Curriculum guides to accompany exhibits and Planetarium shows;
- Teacher Professional Development workshops.

THURSDAY THEATER 2017 SEASON

Choose performances based in science, literature or social studies. We are committed to offering children a live theater experience that engages and inspires, for the amazingly low cost of \$3 per person. Don't miss out! Advance reservations are required for groups of 10 or more. Call (609) 292-1382 or email njtm.reservations@sos.nj.gov for information and reservations.

Showtime: 11:00 am | **Length:** 45 minutes | **Cost:** \$3 per person (Trenton Public Schools attend performances FREE of charge)
Maximum: Large groups of 100 or more can be accommodated in our auditorium.

FEBRUARY 23

Gwendolyn Briley-Strand: Harriet Tubman

A dynamic one-woman performance portraying the strength and steadfastness of remarkable Harriet Tubman and the Underground Railroad.

» Appropriate for grades 3-12

MARCH 9

The Crabgrass Theater:

The Pirate, the Princess and the Pea

One bumbling buccaneer. One problem-solving princess. A stack of mattresses and a hidden pea. It's a swashbuckling adventure of friendship and cooperation!

» Appropriate for grades pre-K to 4

MARCH 16

Academy of Natural Sciences: Discovering Dinosaurs

How do we KNOW what dinosaurs were like? How were they similar to animals still alive today? Solve these puzzles of paleontology and more!

» Appropriate for grades 1-6

APRIL 6

Super Scientific Circus: The Magic of Energy

Magic tricks, circus skills, and audience participation help explain atoms and molecules, compounds and solutions, magnetism and static electricity.

» Appropriate for grades K-8

APRIL 27

Mad Science: Fire and Ice

An exciting visual discovery of the scientific process! Join the Mad Scientist in conducting experiments with air pressure, flash paper, Bernoulli's Principle and dry ice.

» Appropriate for grades 1-6

MAY 4

Youth Stages:

Two Marys, Five Jacks and One Very Big Shoe

The Old Woman Who Lived in a Shoe had so many children she didn't know... how to get them to sleep! Young children will be wide awake as they recite, sing, finger-play and act nursery rhymes.

» Appropriate for grades pre-K to 2

MAY 11

Bright Star Touring Theater: American Giants of Science

A whirlwind tour through time to meet some of America's famous inventors and scientists. Volunteers help Ben Franklin fly his kite and make a phone call with Alexander Graham Bell.

» Appropriate for grades 2-8

MAY 18

Mad Science: Wacky Science

Wacky demonstrations galore! Volunteers help make slime, melt the 'Wicked Witch of the West,' have a hair-raising experience with the Van der Graaf generator, and more.

» Appropriate for grades K-6

JUNE 8

TAHIRA: Folktale Fun

TAHIRA's high-energy tales of clever spiders, signifyin' monkeys and grinnin' buzzards captivate young audiences while imparting values of kindness and appreciating differences.

» Appropriate for grades pre-K to 3



GENERAL INFORMATION

CONTACT US

(609) 292-1382 or njsm.reservations@sos.nj.gov for information and reservations

Open Tuesday-Sunday 9:00 am to 4:45 pm

Closed State holidays

ADMISSION

General admission is FREE for school groups.

Planetarium shows and Education experiences are each just \$3 per person.

Guided gallery tours are FREE and explore NJ History, American Art and Artists, Natural Science or the Lenape in NJ. Advance reservations are required.

LUNCH PLANS

To reserve brown-bag lunchroom space, call the State House Tour Office at (609) 847-3150.