



There's something for every student at the Louisiana Art & Science Museum. Use this quick guide to plan your LASM field trip and deepen your students' understanding of STEAM-related concepts.

We offer unique, educational, and entertaining school group programs for your **Pre-School through 12th-Grade students** that serve as an extension of your classroom experience.

Spark a lifelong love of learning in your students as they explore a **mummified person's tomb**, encounter a 65-million-year-old **Triceratops skull**, and journey through the cosmos in the **Irene W. Pennington Planetarium** – all under one roof in downtown Baton Rouge.

Program Options Include:

- **Hands-On Classes**
- **Gallery Guided Tours**, Some Including Add-On Hands-On Activities
- **Irene W. Pennington Planetarium Shows**
- **The Museum Store**

LASM's structured school group programs make your field trip experience **easy and convenient**. Programs are designed to exceed your educational expectations, address curriculum requirements, and foster lifelong exploration.

Our team is always happy to **recommend an itinerary of programs** based on your students' grade level, subject matter, and interests. We suggest selecting programs based on a specific theme, such as Ancient Egypt, Engineering, Astronomy, or Geology.

Check out a few of our favorite upcoming experiences LASM is offering for 2024-2025:

King Tut Exhibition Guided Tour

NEW Exhibition Guided Tour

Beginning October 16, 2024

The STEAM Station: See, Explore, Experience, Discover

NEW Hands-On STEAM Gallery Guided Tour

The River Dynamics Experience

Sponsored by Coastal Protection and Restoration Authority (CPRA)

FREE Program for 4th-12th graders!

We look forward to another wonderful year of serving you and your students!

With gratitude,

LASM Education Team

Your *Adventure Planner* "Co-Pilot"

Reservations@lasm.org | 225.344.5272 x 119

HANDS-ON CLASSES

See your classroom topics come to life with hands-on, *minds-on* classes! Deepen your students' understanding of STEAM-related concepts as they work collaboratively, think critically, and make connections.

GROUP SIZE: 35 students maximum; 15 students minimum

LENGTH: 90 minutes

COST: \$8 per student & parent/chaperone

Beetles, Bugs, & Butterflies (Pre-K–2nd)

This artful approach to science will inspire your young students to explore the amazing world of insects while learning about adaptations, physiology, and the role insects play in our daily lives. Colorful, take-home art projects creatively reinforce scientific concepts.

Intro to Bright Light (1st–3rd)

How and why do rainbows appear in the sky? In this illuminating introduction to light and color, your students will make exciting discoveries as they explore the visible light spectrum and the behavior of light as it travels through various mediums. The scientific concepts of refraction, diffraction, and reflection will come to life for your students through experimentation with light sources, diffraction glasses, and giant water prisms.

Bright Light (4th–6th)

How do astronomers discover the chemical composition of faraway stars and nebulae? In this hands-on experience, your students will observe gas tubes in a spectroscope to compare the unique spectral lines of common gases. While also engaging with prisms and diffraction glasses, your students will investigate the properties of light related to the visible light spectrum. The scientific concepts of refraction, diffraction, and reflection are explored with engaging activities related to the electromagnetic spectrum through real-life applications.

Intro to Robot Design Challenge (2nd & 3rd)

Your students will sharpen their critical thinking and problem-solving skills as they work collaboratively to build modular robots. Participants will use the Science and Engineering Practices to develop inventions that sense, compute, and act upon the world around them. As a final activity, students will enjoy a fun and friendly robot race!

Robot Design Challenge (4th–8th)

Working collaboratively in teams, your students will use design thinking along with the Science and Engineering Practices to build modular robots that address real-world challenges. With an emphasis on communication, cooperation, and problem-solving, your aspiring engineers will design robots and build programs through hands-on coding. After testing and improving their robot creations, your students will participate in a group challenge to determine which robot is the most efficient!

THE RIVER DYNAMICS EXPERIENCE

This exciting **FREE** program for 4th – 12th Graders includes a visit to the LSU Center for River Studies and same-day, hands-on classes and programs at LASM. All activities are aligned with the Louisiana Student Standards for Science.

This **FREE** learning opportunity is available on a **first-come, first-served basis** through LASM's partnership with the Coastal Protection and Restoration Authority (CPRA).

- **Tour of the LSU Center for River Studies**

Students will explore a 3-dimensional model of the lower 190 miles of the Mississippi River, one of the most technologically advanced models in existence.

- **Hands-On Stream Table at LASM**

Your students will collaboratively design solutions to real-world environmental challenges by engaging with a state-of-the-art stream table.

- **Educational Movie at LASM**

Your students will view a related, large-screen educational movie at LASM.

GALLERY GUIDED TOURS

Wow your students with unique object-based learning opportunities – such as experiencing an authentic mummified person and viewing a real *Triceratops* skull – that are only available at LASM. Tours are adapted based on grade levels. We recommend expanding your students' tour experience with a **Hands-On Activity Add-On**, available for many Gallery Guided Tours.

GROUP SIZE:	35 students maximum; 15 students minimum
LENGTH:	30 minutes (60 minutes with Add-On)
COST:	\$2 per student & parent/chaperone (\$6 with Add-On)

NEW King Tut Exhibition Guided Tour* (3rd–12th)

October 16, 2024 – September 7, 2025

Experience an exciting reconstruction of one of the most important revelations in the history of archeology: King Tutankhamun's tomb, which Howard Carter rediscovered almost fully intact in 1922. Your students will learn about ancient Egyptian customs and explore certified Egyptian replicas of the opulent artifacts found in King Tut's tomb, which was the first known, mostly undisturbed ancient Egyptian royal burial site.

Hands-On Activity Add-On**

Add an engaging, Ancient Egypt-related hands-on activity to make your students' tours come to life!

Ancient Egypt Gallery Guided Tour* (3rd–12th)

Enter a recreated tomb that houses an authentic, 2,300-year-old mummified person, and learn how modern technology revealed some of its secrets. Your students will learn about the ancient Egyptians' civilization, beliefs, and customs, and how these people interacted with their Greek and Roman neighbors during the Ptolemaic period (323–30 BC). Your students will also view authentic masks worn by mummified people and learn about ancient Egyptian funerary customs.

Hands-On Activity Add-On**

Add an engaging, Ancient Egypt-related hands-on activity to make your students' tours come to life!

Solar System Gallery Guided Tour (PreK–12th)

Investigate the history of our Solar System, from astronomy to geology and paleontology. Your students will encounter interactive displays that allow them to learn about gravity, virtually travel to the Moon, and more. An exhibit of minerals and fossils, including a 65-million-year-old authentic *Triceratops prorsus* skull, will teach your students about our aging planet.

Hands-On Activity Add-On Option 1: Astronomy

Add an engaging, astronomy-related hands-on activity to make your students' tours come to life! Your tour will be adapted to primarily focus on the gallery's astronomy-related content.

Hands-On Activity Add-On Option 2: Geology

Add an engaging, geology-related hands-on activity to make your students' tours come to life! Your tour will be adapted to primarily focus on the gallery's astronomy-related content.

NEW The STEAM Station Hands-On Gallery Tour (2nd–12th)

Explore STEAM (Science, Technology, Engineering, Art, and Mathematics) by interacting with educational and fun hands-on exhibits in our newly-renovated gallery. Your students will engage with state-of-the-art exhibits including a Rube Goldberg Machine Wall, an Interactive Periodic Table, an Everbright, and more. In the Curiosity Cabinet displays, hands-on activities related to our collection and current exhibitions provide additional learning opportunities.

Discovery Depot: Hands-On Gallery Tour (PreK–1st)

Invite creative play, encourage exploration, and spark the imagination of your young students. After a trip through the Children's Playhouse, little chefs can enjoy nutrition-oriented role play in the kitchen center while little engineers operate the wooden train. Puzzles, books, and games provide additional learning opportunities.

* We **strongly recommend** booking the King Tut Exhibition Guided Tour **AND** the Ancient Egypt Gallery Guided Tour so that your students can "meet" the authentic mummified person held in LASM's Ancient Egypt Gallery.

** You may book the Hands-On Activity Add-On for either the Ancient Egypt Gallery **OR** the King Tut Exhibition Guided Tour.

IRENE W. PENNINGTON PLANETARIUM SHOWS

Immersive planetarium shows will expand your students' understanding of topics including Astronomy, Engineering, Paleontology, Biology, and Social Studies.

ALL shows include an Educator's Guide that you can use to bring planetarium show concepts into your classroom after your field trip! Visit lasm.org/educators/k-12/planetarium/ for show descriptions, trailers, and Educator Guides.

GROUP SIZE:	170 maximum; no minimum
LENGTH:	60 minutes
COST:	\$8 per student & parent/chaperone

3-2-1 Liftoff*

America's Musical Journey

Apollo 11: First Steps Edition

Dinosaur Passage to Pangaea*

Dream Big: Engineering Our World

Earth, Moon & Sun*

Earth's Wild Ride*

Flight of the Butterflies

Forward! To the Moon*

From the Blue Planet to the Red Planet*

In Saturn's Rings*

Into America's Wild

Jean-Michel Cousteau's Secret Ocean

Kaluoka'hina: The Enchanted Reef

Magic Tree House Space Mission*

Mummies: Secrets of the Pharaohs

National Parks Adventure

One World, One Sky: Big Bird's Adventure*

T. REX

The Life of Trees

The Little Star That Could*

The Secrets of Gravity: In the Footsteps of Albert Einstein*

Two Small Pieces of Glass: The Amazing Telescope*

*This show includes a LIVE, educator-led "Sky Tonight" presentation exploring the stars, constellations, and planets viewable in our local nighttime sky based on the current season!

THE MUSEUM STORE

Our Museum Store is an extension of our educational mission, not a traditional “gift shop.”

Visiting the Museum Store provides your students with the opportunity to put into practice skills that they study in school, such as:

- Estimation
- Currency
- Valuation
- Rounding
- Budgeting
- Independent decision making

Prices begin at **under \$1!** Our goal is to make your visit to the store easy, enjoyable, and educational. Merchandise found in the store is related to your field trip subject matter.