

LOUISIANA ART & SCIENCE MUSEUM

2011-2012

Adventure Planner

CLASSES & EDUCATIONAL PROGRAMS FOR PRE-K-12



All student programs support state educational standards, benchmarks, and grade-level expectations



2011-2012 School Reservation Request Form

Make your reservation request in only one of the following three ways:

USE THE ONLINE FORM AT

www.lasm.org/booknow

MAIL THIS FORM TO

School Reservation Request Form
P.O. Box 3373, Baton Rouge, LA 70821

FAX THIS FORM TO

225-214-1445

LASM CANNOT TAKE RESERVATION REQUESTS OVER THE PHONE.

NAME OF SCHOOL

CONTACT PERSON

SCHOOL ADDRESS

E-MAIL ADDRESS

CITY/STATE

ZIP CODE

PARISH/COUNTY

SCHOOL PHONE

ALTERNATE PHONE

FAX

GROUP INFORMATION

Teachers are responsible for reserving space for chaperones. We cannot guarantee space for more chaperones than the number below.

GRADE

NO. OF STUDENTS

NO. OF TEACHERS

NO. OF CHAPERONES

Only the number of persons listed above may attend school programs. Additional students, teachers, or chaperones will have access to these programs only if space is available. Please see www.lasm.org/AP for further information.

I have students with special needs: Yes No

If yes, please let us know what special accommodations are needed:

DATE OF VISIT

Dates and arrival times will be assigned based on their availability. The first date requested may not be available. A confirmation will be sent to you within three business days.

FIRST DATE CHOICE

EARLIEST ARRIVAL TIME

SECOND DATE CHOICE

LATEST DEPARTURE TIME

THIRD DATE CHOICE

How would you like to receive your confirmation? Fax E-mail Mail

LASM has no dining facility. The school must provide lunches, and LASM will store them.
Should we schedule a break in your visit for lunch? Yes No

Should we schedule a break in your visit for the restroom? Yes No

CLASS AND PROGRAM SELECTION

Please refer to pp. 4-11 for descriptions of specific classes and programs you would like to attend, and list their names in the blanks below. Refer to the grade recommendations for each class and program before making your selection. Teachers and bus drivers may attend classes and programs at no charge.

ART & CREATIVE INTEGRATION CLASSES (list name) \$6

SCIENCE CLASSES (list name) \$6

FALL ASTRONOMY PROGRAMS
IN AUDITORIUM (list name) \$3

PLANETARIUM PROGRAMS (list name)

EDUCATIONAL CINEMA \$6

SKY PROGRAMS \$6

AUDITORIUM PROGRAMS (list name)

INTERACTIVE THEATER \$6

EDUCATIONAL DVD FILMS \$3

THE MUSEUM STORE AT LASM

Allowing students to shop gives them a chance to make independent decisions, helps teach the concept of budget management, and improves math and social skills! The Museum Store at LASM can create student take-home bags for a modest price. Please contact the store at 225-344-5272, ext 118, at least two weeks prior to your visit for this service.

If you are unable to take advantage of your scheduled visit to The Museum Store at LASM, please tell us why: _____

GALLERY EXPERIENCES

Special fall offer! If you book your field trip for the fall 2011 semester, your group will receive ONE FREE Gallery Experience of your choice! (You may book additional Gallery Experiences at \$1 each per student and chaperone.) For spring field trips, the charge is \$1 per student and chaperone for each Gallery Experience. Teachers and bus drivers attend at no charge. Please select from the following:

ART EXHIBITION GALLERIES (GRADES K-12)

ANCIENT EGYPT GALLERY (GRADES 1-12)

DISCOVERY DEPOT (GRADES PRE-K-1)

SCIENCE STATION (GRADES 2-12)

SOLAR SYSTEM GALLERY (GRADES 2-12)

After receiving this form, LASM will send you a confirmation stating the date, time, schedule (subject to change), cost per person, and deposit information. Please allow up to three business days to receive your confirmation. Return the signed confirmation with your deposit to LASM on or before the due date. Also note that LASM will not be able to confirm your reservation without a signed confirmation. If LASM does not receive a signed confirmation by the due date, your reservation may be canceled.

An Invitation To Educators

We invite you to look through this *Adventure Planner* and discover the exciting classes and programs that await you and your students at LASM. Our offerings are aligned with state standards, benchmarks, and grade-level expectations to ensure a relevant, meaningful educational adventure. The related classroom activities located at www.lasm.org/AP will enhance your students' educational adventure even further. Most important—from your students' point of view—LASM programs are fun!

This planner contains: 1) basic information about reserving a visit for your class and 2) a complete listing of classes and programs. Please examine the complete information located in the online *Adventure Planner* at www.lasm.org/AP. It contains information necessary for you, your group, chaperones, and bus driver to enjoy a smooth visit, free of delays. We look forward to seeing you and your students in the coming school year!

The LASM Education Team

BOOKING YOUR MUSEUM VISIT

- When filling out your School Reservation Request Form, please double-check the accuracy of the information in these sections: DATE OF VISIT, CLASS AND PROGRAM SELECTION, and GALLERY EXPERIENCES.
- Send your reservation form in one of three ways:
Online: www.lasm.org/booknow
Fax: 225-214-1445
Mail: P.O. Box 3373, Baton Rouge, LA 70821
- Reservations cannot be made on the telephone, and dates cannot be held without a completed School Reservation Request Form.
- Within three business days, we will send your visit schedule in a confirmation packet.
- Please review your schedule and call 344-5272, ext. 142, if you need to make any changes.
- Please sign and return the School Visit Confirmation Form along with the nonrefundable deposit for your visit.
- Failure to pay the deposit or to return the signed School Visit Confirmation Form by the due date may result in the cancellation of your reservation.

PREPARING FOR YOUR TRIP

- Please include all chaperone and student fees in the final payment, which you make on the day of your visit (final payment = total cost minus deposit). Checks, cash, and credit cards are all accepted.
- Refunds for overpayments will be mailed to your school minus a \$15 processing fee.
- Please have the chaperones pay the school in advance so that we may reserve adequate space for them.
- Please have an accurate count of the students and chaperones whose fees are included in the final payment to ensure a speedy check-in process.
- If your visit schedule requires you to divide your students into sub-groups, please do so before leaving the school.
- Please review the confirmation packet for details regarding parking downtown, lunches, and cancellations.

PLEASE GO TO
WWW.LASM.ORG/AP
TO FIND:

- **GLE'S**
- **CLASSROOM ACTIVITIES**
- **IMPORTANT INFORMATION ON PLANNING YOUR LASM ADVENTURE**

SPECIAL NOTE TO ALL EDUCATORS

Changes in the Planetarium Schedule This Year

In the fall of 2011, while the planetarium's theater undergoes renovations, several alternative planetarium programs will be held on the flat screen in the Adalié Brent Auditorium and in the Discovery Dome portable planetarium. When the planetarium reopens, school groups will enjoy new carpet, seats, and programs, including some in 3-D. To find out the planetarium's reopening date, check www.lasm.org periodically during the early fall. We will also send an e-mail to notify educators.

If you do not plan to schedule a planetarium program, you may wish to consider bringing your class to LASM in the early fall while the planetarium undergoes renovations. Groups scheduled for the fall receive a free Gallery Experience.

DURING YOUR VISIT

- Because photography can damage artwork and violate copyright laws, LASM cannot permit photography or videography near artworks, which are located in the atrium, hallways, and art galleries. We welcome you to take photographs during classroom and auditorium programs and before and after programs in the planetarium theater.
- If you are interested in sharing with us photographs of your visit to LASM, please obtain photo releases and instructions at www.lasm.org/AP beforehand. We'd love to have pictures of your students!
- Enjoy your visit! We look forward to meeting you and your group.

Art & Creative Integration Classes

Students learn about not only art, artists, and art techniques but also geometry, science, and folklore. Each class promotes higher order thinking skills through hands-on learning and the application of observation, inquiry, analysis, and synthesis skills.

TIMES	9:30–11:00 AM & 11:30 AM–1:00 PM
GROUP SIZE	15 minimum / 30 maximum
COST	\$6 per student & chaperone

Little Art Explorers **Grades Pre-K–K**

In this longtime favorite introduction to fine art, our youngest students have a wonderful time exploring the colors and shapes used in works of art. To enhance their exploration, they create artworks inspired by Henri Matisse.

>CLASSROOM ACTIVITIES ONLINE

◇ Quilts and Geometry **Grades 1–3**

This delightful approach to the world of geometry introduces young students to traditional patchwork quilt patterns and the geometric shapes that form them. Students use critical thinking skills as they manipulate and transform a square into an individual (paper) quilt block for their classroom quilt.

>LINK ART CLASS: ◇ RADIAL SYMMETRY, GRADE 3

>CLASSROOM ACTIVITIES ONLINE

NEW

◇ The Moon: Myths, Facts, and Folklore **Grades 2–4**

Students are fascinated by facts about the moon and the myths and folklore surrounding it. As they discover how the moon orbits the earth, what the phases of the moon are, the various names given to our moon, and much more, they also learn about similarities in the folklore of different cultures! The class concludes with a creative moon project.

>LINK PLANETARIUM PROGRAM: EARTH, MOON & SUN, GRADES 2–4

NEW

◇ Radial Symmetry **Grades 3–8**

This intriguing class introduces radial symmetry and kaleidoscopic patterns. Students examine various examples of radial symmetry, learn the geometry behind radial symmetry, and use their observation and prediction skills to visualize how radial patterns are created. The class culminates with an exciting radial symmetry project.

>LINK ART CLASS: ◇ TESSELLATIONS, GRADES 4–8



Understanding Abstract Art **Grades 4–8**

This entertaining class introduces students to the interesting world of abstract art. They begin to understand and appreciate it as they learn about the concept of abstraction and the abstract movement. While studying works of famous 20th century artists, including Picasso, students explore different forms of abstraction and create abstracted self-portraits.

>CLASSROOM ACTIVITIES ONLINE

◇ Tessellations **Grades 4–8**

Do not let intricate tessellations intimidate your students! This class introduces M. C. Escher, the artist who made tessellations popular through his mind-bending illustrations of architecture and nature. Students review geometry concepts, examine the fascinating relationship of art to geometry, and apply critical thinking skills as they transform a simple geometric figure into their own work of art.

>LINK ART CLASS: ◇ RADIAL SYMMETRY, GRADES 3–6

>CLASSROOM ACTIVITIES ONLINE

NEW

Asking SmART Questions **Grades 2–4 and 5–8**

In this unique gallery class, students work on their high-order thinking skills in educator-led large and small group discussions of original artworks. Students learn how to explore, hypothesize, make inferences, learn valuable problem-solving skills, and accept many possibilities as answers.

>LINK SCIENCE CLASS: ◇ THE ART OF SCIENCE, GRADES 4–5

Ancient Egypt and Its Art **Grades 3–8**

The Ancient Egypt Gallery is filled with unique opportunities to learn about the culture of Ancient Egypt. After a guided tour of the gallery, where they view authentic artifacts, a re-created tomb, and a 2,300 year-old mummy, students create their own Egypt-inspired artworks. (See a fuller description of the Ancient Egypt Gallery on p. 11.)

>LINK PLANETARIUM PROGRAM: MUMMIES: SECRETS OF THE PHARAOHS, GRADES 3–8

>LINK denotes related programs.

◇ denotes Creative Integration Classes.

>CLASSROOM ACTIVITIES ONLINE denotes helpful guides that contain related vocabulary, activities, Web sites, and state standards, benchmarks, and GLE's. The guides are posted on the relevant program's page at www.lasm.org/AP.

Science Classes

Inquiry-related, hands-on experiences based on the principles of the scientific method encourage students to explore the wonders of scientific learning and discovery.

TIMES 9:30–11:00 AM & 11:30 AM–1:00 PM
GROUP SIZE 15 minimum / 30 maximum
COST \$6 per student & chaperone
>CLASSROOM ACTIVITIES ONLINE for all science classes.

◇ Beetles, Bugs, and Butterflies

Grades Pr e-K–2

This artful approach to science encourages students to learn about insects, including adaptations, physiology, metamorphosis, and the role insects play in our lives. As a final activity, students create a colorful art project to take home.

Nutrition News

Grades 1–2

Students identify the basic functions of the parts of the body and learn how to use the new MyPlate guidelines to make healthy dietary choices. The class culminates with a food group fashion parade guaranteed to be memorable!

Body Basics

Grade 3

Through hands-on activities such as manipulating human torso models and assembling life-size skeleton puzzles, students learn about the MyPlate guidelines and the relationship between eating habits and maintaining a healthy body.

Mystery Crime Lab

Grades 3–4

Student sleuths examine the evidence at a staged crime scene to solve a case in this exciting “whodunit” adventure. They experiment with blood typing, chromatography, fingerprinting, and other hands-on, inquiry-based activities. **Requires the assistance of at least six chaperones.**

Bright Light

Grades 3–4

Experimenting with lasers, diffraction glasses, and giant water prisms delights students in this illuminating exploration of light and color. The scientific concepts of refraction, diffraction, and reflection come alive through engaging educational activities involving spectrum analysis and the electromagnetic spectrum.

>LINK INTERACTIVE THEATER: THE COLORS OF THE RAINBOW, GRADE 3

Circuit Circus

Grades 3–4

Students become really charged up as they form a human circuit, experiment with conductors and insulators, and construct different types of circuits. Scientific inquiry, problem solving, and cooperative learning engage students in this electrifying experience!

Respiration and Circulation

Grade 4

This anatomical adventure, focusing on the respiratory and circulatory systems, includes interesting hands-on activities that promote learning about blood types, lung capacity, and the importance of making wise nutritional choices.

Exploring Ecosystems

Grades 4–5

How does a polar bear stay warm in icy waters? How does a bird use its beak to catch a fish? Budding environmental scientists will investigate these unique adaptations as well as food chains and other factors that influence organisms in their various habitats. Use of the ProScope Video Microscope and an interactive wetlands model encourages hands-on exploration of our local ecosystem. **Requires the assistance of at least four chaperones.**

◇ The Art of Science

Grades 4–6

The principles of the scientific method are reinforced in this unique approach that is partly a science class and partly an art gallery experience. Students use the ProScope Video Microscope, anatomical models of the brain and eye, and optical illusions to discover how human beings receive and perceive images. They apply these concepts as they analyze works of art in LASM’s art galleries.

>LINK ART CLASS: ◇ ASKING SMART QUESTIONS, GRADES 4–5

Forensic Crime Lab

Grades 5–6

In this integrated learning experience, students use scientific inquiry to identify the victim and the perpetrator at a staged crime scene. They reach their conclusions via chromatography, entomology, blood typing, skeletal identification, and other means of discovery that are based on the principles of the scientific method. **Requires the assistance of at least six chaperones.**



Planetarium Programs

SPECIAL NOTE: The Planetarium Programs designated in **ORANGE** will be available for viewing on the flat screen in the Adalié Brent Auditorium while the planetarium theater undergoes renovations. (See p. 3 for more about the planetarium's renovation and reopening).

EDUCATIONAL CINEMA

Educational Cinema programs are digital movies projected onto the planetarium's 60-foot-diameter dome using the latest technology. Dates are subject to change. Check www.lasm.org/AP for updated information before completing your Reservation Request Form.

TIME	Flexible, on the hour
LENGTH	Allow one hour
GROUP SIZE	190 (in Brent Auditorium, fall showings) 170 (in planetarium theater, following planetarium reopening)
COST	\$3 per student & chaperone (in auditorium, fall showings) \$6 per student & chaperone (in planetarium, following reopening)

Mummies: Secrets of the Pharaohs

Grades 2–12

The explorers and scientists in this digital program piece together archeological and genetic clues provided by their study of Egyptian mummies in order to reveal the mysterious world of the pharaohs. Through ambitious computer graphics and dramatic reconstruction, *Mummies* highlights one of the greatest finds in modern archeological history: the late 19th century discovery of a cache of 40 mummies, including 12 pharaohs, among them Rameses the Great. The movie is narrated by Christopher Lee.

>LINK GALLERY EXPERIENCE: ANCIENT EGYPT GALLERY, GRADES 2–12

>LINK ART CLASS: ANCIENT EGYPT AND ITS ART, GRADES 3–8

>CLASSROOM ACTIVITIES ONLINE

Wild Ocean

Grades 3–12

Filmed off the wild coast of South Africa, this is an explosive, symphonic documentary about man and nature. Each year, an unbelievable feeding frenzy takes place in the oceans of South Africa as billions of sardines migrate up the KwaZulu-Natal Coast. *Wild Ocean* captures breaching whales, feeding sharks, diving gannets, and massive bait balls up close. The migration, which provides an annual food source for both sea life and human life along the African shores, impacts the coastal communities economically and culturally.

>LINK SCIENCE CLASS: EXPLORING ECOSYSTEMS

>CLASSROOM ACTIVITIES ONLINE

SKY PROGRAMS

Sky Programs teach astronomy and earth/space lessons through presenter-led interaction and high-tech visuals under the planetarium's 60-foot-diameter dome.

TIMES	Flexible, on the hour
LENGTH	Allow one hour
GROUP SIZE	170 maximum
COST	\$6 per student & chaperone

Dipper's Adventure

Pre-K–K

A-camping we will go! Dipper the bear and friends take young students on a fun-filled interactive camping adventure to discover constellations, our moon, and other daytime and nighttime objects in the sky. **This live, presenter-led program is intended for first-time visitors to the planetarium.**

>CLASSROOM ACTIVITIES ONLINE

NEW

One World, One Sky:

Big Bird's Adventure

Grades Pre-K–1

When Elmo's Chinese friend, Hu Hu Zhu, visits Sesame Street and discovers that Elmo can see the same stars that he sees in China, he and your students learn how to locate the Big Dipper, the North Star, and the moon. The friends travel to the moon with Big Bird and discover that the moon's environment is very different from the earth's. They use their imaginations to return home to the trees, animals, and games they miss, happy to know they share the same sky. **A live, presenter-led tour of the current seasonal night sky precedes this automated program.**

>CLASSROOM ACTIVITIES ONLINE

UPDATED

The Little Star That Could

Grades 1–2

What are stars made of? What's in our galaxy? Your students meet the Milky Way Gang and find out how planets are born, why stars shine, and the difference between stars, planets, and moons. **A live, presenter-led tour of the current seasonal night sky precedes this automated program.**

>CLASSROOM ACTIVITIES ONLINE



NEW

Earth, Moon & Sun Grades 2–5

Coyote, an amusing character adapted from Native American oral traditions, will entertain students while explaining the relationship between the earth, moon, and sun. Students will learn why the sun rises and sets, how the earth orbits the sun once a year, and how long it takes the moon to orbit the earth. Students will also examine the moon's orbit, craters, phases, and eclipses. **A live, presenter-led tour of the current seasonal night sky precedes this automated program.**

>LINK ART CLASS: ◇ THE MOON: MYTHS, FACTS, AND FOLKLORE, GRADES 2– 4

>CLASSROOM ACTIVITIES ONLINE

UPDATED

Ventures Through Our Solar System Grades 3–5

This favorite program focuses on the strikingly different characteristics of the eight planets and their moons, and the formation of the solar system. The planetarium's full-dome digital projection system takes students on an immersive, interactive adventure through our solar system that reveals the latest NASA planetary discoveries. After returning to Earth, students will participate in tracking the moons of Jupiter just as Galileo did. **A brief tour of the current seasonal night sky precedes this live, presenter-led program.**

>CLASSROOM ACTIVITIES ONLINE

Two Small Pieces of Glass Grades 3–12

While attending a star party, two teenage students learn how the telescope has helped us understand our place in space and continues to expand our understanding of the universe. In conversation with an astronomer, they learn about the history of the telescope and the discoveries this wonderful tool has made. The students see how telescopes work and how the largest observatories in the world use these instruments to explore the mysteries of the universe.

A live, presenter-led tour of the seasonal night sky precedes this automated program.

>CLASSROOM ACTIVITIES ONLINE

Earth's Wild Ride Grades 4–6

While observing a solar eclipse from their moon colony, a grandfather tells his grandchildren stories about Earth, the amazing planet where he grew up. They learn about eclipses, the ice age, Earth's water cycle, and the differences between the earth and the moon. The exciting visual imagery also includes a roller-coaster ride through flowing lava and canyons of raging rivers. **A live, presenter-led tour of the current seasonal night sky precedes this automated program.**

>LINK INTERACTIVE THEATER: WEATHERWISE, GRADES 2–5

>LINK EDUCATIONAL DVD FILM: FORCES OF NATURE, GRADES 3–5

>LINK ART EXHIBITION: FORCES OF NATURE: SELECTIONS FROM THE FREDERICK R. WEISMAN ART FOUNDATION, OCTOBER 22, 2011–JANUARY 15, 2012

>CLASSROOM ACTIVITIES ONLINE



NEW

Wildest Weather in the Solar System (in 3-D) Grades 4–12

Your students will take a spectacular National Geographic journey to witness the most beautiful, powerful, and mysterious weather phenomena in the solar system. When they see a storm the size of a 100-megaton hydrogen bomb, a 400-year-old hurricane, and a dust tempest that could engulf entire planets, they'll be glad they live on Earth!

Their experiences will include flying through the thick atmosphere of Venus, magnetic storms on the sun, liquid methane showers on Titan, and anticyclones whirling at hundreds of miles per hour on Jupiter. **A live, presenter-led tour of the seasonal night sky precedes this automated program.**

>CLASSROOM ACTIVITIES ONLINE

UPDATED

Digital Universe Grades 8–12

An exciting opportunity for your students to explore the world's most extensive, accurate three-dimensional mapping of the universe. The planetarium's state-of-the-art digital software allows students to interact with the presenter while touring the stars of the Milky Way Galaxy, nebulae, clusters of galaxies, and quasars all the way out to the edge of the observable universe. **A brief tour of the current seasonal night sky precedes this live, presenter-led program.**

>LINK denotes related programs.

◇ denotes Creative Integration Classes.

>CLASSROOM ACTIVITIES ONLINE denotes helpful guides that contain related vocabulary, activities, Web sites, and state standards, benchmarks, and GLE's. The guides are posted on the relevant program's page at www.lasm.org/AP.

THE DISCOVERY DOME GOES TO YOUR SCHOOL YEAR-ROUND!

Grades K–12

LENGTH	30–60 minutes long, with 15 minutes between each group presentation
GROUP SIZE	30 maximum
FEES	\$350 (includes 4 presentations; maximum 3 hours) \$550 (includes 8 presentations; maximum 5 hours) \$650 (includes ten 30-minute presentations or five 60-minute presentations; maximum 7 hours). Plus a travel fee for schools outside East Baton Rouge Parish.

LASM's portable digital planetarium, known as the Discovery Dome, travels to your school! The inflatable, room-sized Discovery Dome requires an indoor space 25-feet square and 12-feet high, and a nearby electrical outlet.

The expanded list of programs includes:

The Sky Tonight
*Earth, Sun & Moon**
Earth's Wild Ride
Two Small Pieces of Glass
It's About Time
Ice Worlds
Impact Earth
The Zula Patrol: Under the Weather
The Star of Bethlehem
IBEX

Call 225-344-5272, ext. 124 (if no answer, dial ext. 142), for more information on programming and availability.

Find program descriptions, GLE's, and benchmarks at www.lasm.org/discoverydome.

*A new 60-minute presentation includes both *Earth, Sun & Moon* and *Earth's Wild Ride*.



Auditorium Programs

AUDITORIUM PROGRAMS ARE AVAILABLE THROUGHOUT THE SCHOOL YEAR.

EDUCATIONAL DVD FILMS

Students view an educational film on the 8' x 12' flat screen in the Adalié Brent Auditorium. For more information and resources on these films, visit www.lasm.org/AP.

TIMES	Flexible, on the hour
LENGTH	Approximately 1 hour
GROUP SIZE	35 minimum / 190 maximum
COST	\$3 per student & chaperone

Whales Grades 2–12

A stunningly beautiful film, *Whales* takes your students to the ocean depths, where they discover some of the wildest locations on Earth and witness the sights, sounds, and survival of the world's largest mammal.

>CLASSROOM ACTIVITIES ONLINE

Forces of Nature Grades 3–12

A National Geographic film 10 years in the making, *Forces of Nature* showcases the awesome spectacles of earthquakes, volcanoes, and tornadoes as it follows scientists on groundbreaking quests to understand what triggers these natural disasters.

>LINK INTERACTIVE THEATER: WEATHERWISE, GRADES 3–5

>LINK ART EXHIBITION: FORCES OF NATURE: SELECTIONS FROM THE FREDERICK R. WEISMAN ART FOUNDATION, OCTOBER 22, 2011–JANUARY 15, 2012

>CLASSROOM ACTIVITIES ONLINE

Lewis & Clark: Great Journey West Grades 3–12

Relive America's greatest tale of discovery and exploration as National Geographic brings to life the thrilling first crossing of what would become the United States.

>CLASSROOM ACTIVITIES ONLINE

NEW

Volcanoes of the Deep Sea Grades 4–12

At 12,000 feet below the ocean's surface, your students have an unprecedented look at this vast and little explored area of our planet. They follow a team of scientists on a dive to research mysterious hydrothermal vents on the mid-ocean ridge and discover the fantastic diversity of the deep. Besides putting them into contact with the planet's oddest creatures and phenomena, *Volcanoes of the Deep Sea* also examines the implications that deep-ocean discoveries may have for our understanding of the emergence of life elsewhere in the cosmos.

>CLASSROOM ACTIVITIES ONLINE

NEW

Mummies: Secrets of the Pharaohs (Blu-ray) Grades 2–12

See description, page 6.

>LINK GALLERY EXPERIENCE: ANCIENT EGYPT GALLERY, GRADES 2–12

>LINK ART CLASS: ◊ ANCIENT EGYPT AND ITS ART, GRADES 3–8

>CLASSROOM ACTIVITIES ONLINE

INTERACTIVE THEATER

Presenter-led programs highlight audience participation in a fun-filled format, incorporating music, games, and creative movement into an educational blend of science and art.

LOCATION	Adalié Brent Auditorium
TIMES	On the hour, 9:00 AM–1:00 PM
LENGTH	Allow 1 hour
GROUP SIZE	35 minimum / 190 maximum
COST	\$6 per student & chaperone

Shake, Rattle, and Roll Grades Pre-K–5

Dr. Decibel, LASM's wacky science professor, leads students in an interactive exploration of the world of sound. Your junior sound scientists will learn about the anatomy of the ear, experiment with unique musical instruments, and become familiar with key vocabulary terms and concepts relating to sound, such as *volume*, *pitch*, and *frequency*. This program can be easily adapted for various grade levels.

>CLASSROOM ACTIVITIES ONLINE

The Colors of the Rainbow Grades K–3

Suzie Sparkle takes students on a magical adventure that integrates the art and the science of color. Students learn about the color wheel and the mixing of colors as well as the colors of the visible light spectrum and their wavelengths. Also included are activities related to refraction, reflection, and diffraction. Character-building themes of respect, responsibility, and self-control are woven into this delightful, interactive learning experience

>LINK SCIENCE CLASS: BRIGHT LIGHT, GRADE 3

>CLASSROOM ACTIVITIES ONLINE

Weatherwise Grades 2–5

Students join the studio audience of WLASM's simulated weathercast as our chief meteorologist, Wendy Wise, introduces them to the wonderful world of weather and its impact on the environment. This fast-paced educational adventure brings weather-related terms and concepts to life in a fun-filled, creative format. This program also includes environmental topics such as coastal erosion, wetland preservation, and conservation of our natural resources.



>LINK SKY PROGRAM: EARTH'S WILD RIDE, GRADES 4–5

>LINK EDUCATIONAL DVD FILM: FORCES OF NATURE, GRADES 3–5

>LINK ART EXHIBITION: FORCES OF NATURE: SELECTIONS FROM THE FREDRICK R. WEISMAN ART FOUNDATION, OCTOBER 22, 2010–JANUARY 15, 2012

SPECIAL EARLY FALL PROGRAM

To the Moon and Beyond Grades 3–5

Available only during planetarium theater renovation

GROUP SIZE 50 maximum

This new interactive astronomy program demonstrates the relationship between our planet, our moon, and our star. Using models, students discover the reasons for eclipses, lunar phases, and seasons.

>LINK denotes related programs.

◊ denotes Creative Integration Classes.

>CLASSROOM ACTIVITIES ONLINE denotes helpful guides that contain related vocabulary, activities, Web sites, and state standards, benchmarks, and GLE's. The guides are posted on the relevant program's page at www.lasm.org/AP.

Gallery Experiences

ART EXHIBITION GALLERIES

Through guided tours and discussions in the Art Gallery and Ancient Egypt Gallery, students gain an understanding of the objects on view. Not only do they learn about art, artists, and historical artifacts, they leave with a sense of awe and creative inspiration.

LENGTH	Approximately 30 minutes
GROUP SIZE	30 maximum
COST	\$1 per student & chaperone
GRADES	Pre-K–12

Please note: Exhibitions and dates are subject to change. Check www.lasm.org/AP for updated information.

2011

New Materials, Old Methods: Three Louisiana Artists to Watch August 6–October 12

Book now! This exceptional exhibition is guaranteed to provide your students with inspiration for the whole school year! In a reversal from our current culture's preoccupation with high-speed technology, these artists are inspired by age-old occupations such as crocheting, quilt-making, and carpentry, which they transform with modern techniques and materials. Their work invites curiosity and imagination, and it exemplifies a high level of craftsmanship and exceptional patience.

Troy Dugas, of Lafayette, cuts and arranges consumer labels into dizzyingly complicated designs that appear, from a distance, similar to intricately woven quilts or Persian rugs. Shawn Major, of Opelousas, sews mass-produced materials such as plastic doll heads, Mardi Gras beads, artificial fruit, toy snakes, ribbons, and buttons onto mesh netting to create talismanic, multilayered tapestries that address the realities and chaos of modern life. The intricate wood and iron constructions made by Jonathan Pellitteri of Baton Rouge resemble fantastic machines, many of which incorporate miniature vignettes that viewers can project themselves into, evoking private memories. Organized by LASM.

>[LINK](#) ART CLASS: ◊ QUILTS AND GEOMETRY, GRADES 1–3

>[LINK](#) ART CLASS: ◊ ASKING SMART QUESTIONS, GRADES 2–8

>[LINK](#) ART CLASS: ◊ RADIAL SYMMETRY, GRADES 3–6

>[LINK](#) SCIENCE CLASS: ◊ THE ART OF SCIENCE, GRADES 4–5

Forces of Nature: Selections from the Frederick R. Weisman Art Foundation October 22, 2011–January 15, 2012

Students will enjoy sharing their interpretations of the works on exhibit as they explore how each artist addresses the topic of nature. While some of the artists record historical events or make reference to the power of natural forces, others celebrate nature's beauty. Painting, printmaking, drawing, and sculpture will be on view, as will objects made from unusual materials.

The exhibition offers a range of contemporary perspectives on environmental issues and encourages reflection upon the complex relationship between man and nature. Featuring 75 significant works by 50 notable artists, the exhibition is on loan from one of the country's most prestigious collections of contemporary fine art. Funding is provided by The Frederick R. Weisman Art Foundation, Los Angeles.

>[LINK](#) INTERACTIVE THEATER: WEATHERWISE, GRADES 2–5

>[LINK](#) ART CLASS: ASKING SMART QUESTIONS, GRADES 2–8

>[LINK](#) EDUCATIONAL DVD FILM: *FORCES OF NATURE*, GRADES 3–12

>[LINK](#) SCIENCE CLASS: ◊ THE ART OF SCIENCE, GRADES 4–5

2012

David Hockney: Six Fairy Tales January 25–March 25

Students will enjoy exploring internationally celebrated artist David Hockney's illustrated interpretations of six stories by Jacob and Wilhelm Grimm. They will discover the history of the Grimms' efforts to assemble the stories from German folklore. Not only did the collected tales become one of the best known and most frequently reprinted books in the German language, it was translated into 140 other languages. Hockney's interpretations of the six tales constitute the largest project of his career.

The exhibition will feature Hockney's complete portfolio of 39 etchings accompanied by original texts. Hockney loved the Grimms' tales, especially their elements of magic, and he admired earlier illustrations of the tales by other artists. Four different publications of the tales are on view, demonstrating





other artists' interpretations. Some of the tales are familiar, like *Rapunzel* and *Rumpelstilzchen*, while others, such as *Old Rinkrank*, *Fundevogel*, and *The Little Sea Hare* are less well known. Organized by Landau Traveling Exhibitions, Los Angeles.

>LINK ART CLASS: ◇ THE MOON: MYTHS, FACTS AND FOLKLORE, GRADES 2–4

>LINK ART CLASS: ◇ ASKING SMART QUESTIONS, GRADES 2–8

>LINK SCIENCE CLASS: ◇ THE ART OF SCIENCE, GRADES 4–5

The Floating World: Ukiyo-e Prints from the Lauren Rogers Museum of Art March 31–June 24

Take advantage of this exceptional opportunity for your students to learn about the art of Japan's exciting Edo period (1600–1868), when shoguns and samurai warriors still ruled. It was the most prestigious era in Japanese culture and art history, and a period of great economic development and urbanization. Ukiyo-e, or “images of the floating world,” refers to the period’s popular woodblock prints and their principal subject: the sophisticated culture of Edo, today known as Tokyo.

Ukiyo-e prints commonly depict the people and scenes of the thriving pleasure districts: geishas, kabuki actors, sumo wrestlers, pristine landscapes. The prints advertised various entertainments, and several ukiyo-e landscape series served as travel guides. The exhibition includes works by one of the most widely known ukiyo-e artists, Hiroshige, whose majestic landscapes influenced Western painters such as Edgar Degas, Vincent van Gogh, and Mary Cassatt. Tour management by Smith Kramer Traveling Exhibition Services, Kansas City, MO.

>LINK ART CLASS: ◇ ASKING SMART QUESTIONS, GRADES 2–8

>LINK SCIENCE CLASS: ◇ THE ART OF SCIENCE, GRADES 4–5

Ancient Egypt Gallery Grades 1–12

This gallery explains the unique civilization of the ancient Egyptians during the Ptolemaic period (323–30 BC), when Egypt was under Greek rule. Students enter a re-creation of a tomb, ca. 300 BC, which houses a 2,300-year-old mummy. Among the fascinating topics introduced to them are Egyptian burial customs and the use of technology to reveal

some of the mummy's secrets. This is one of the few permanent exhibits dedicated to ancient Egypt in the Gulf South.

>LINK PLANETARIUM PROGRAM: EDUCATIONAL CINEMA: *MUMMIES: SECRETS OF THE PHAROHS*, GRADES 2–12

INTERACTIVE GALLERIES

LENGTH	Approximately 30 minutes
GROUP SIZE	30 maximum
COST	\$1 per student & chaperone

Discovery Depot Grades Pre-K–1

This gallery stimulates the imagination and encourages exploration and creative play. After a trip through the Children's Playhouse, young chefs can enjoy nutrition-oriented role play in the kitchen center while little engineers operate the wooden train. Puppets, books, games, and puzzles provide plenty of additional opportunities for learning and fun!

Science Station Grades 2–12

Hands-on science is the focus of this student-friendly gallery. Interactive educational exhibits make life science, earth science, physical science, and math relevant and fun, and invite students to explore the worlds of sound, light, logic, and motion. The ball maze, magnetic gear wall, pulley system, brain-teasing puzzles, whisper dish, plasma ball, and fossil digs reveal the joy and wonder of scientific discovery.

Solar System Gallery Grades 2–12

In this exhibit-packed gallery, students can learn how much they weigh on the moon and planets, marvel at the 40-foot ceiling orrery and the 28-foot-long photographic image of our Milky Way, and much more! The Milky Way exhibit includes an interactive kiosk where students locate and learn about objects within the Milky Way. The nearby two-story Planet Tower illustrates the comparative sizes of the planets with large, colorful, three-dimensional re-creations.

>LINK denotes related programs.

◇ denotes Creative Integration Classes.



LOUISIANA ART & SCIENCE MUSEUM
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LASM TEACHER WORKSHOPS

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Art education programming is underwritten in part by Target



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The Enviro Scape Wetlands Model, used in Exploring Ecosystems, is generously funded by a grant from



The two ProScopes with computers and monitors used in Exploring Ecosystems, and The Art of Science are generously funded by a grant from



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THE LASM MISSION

The Louisiana Art & Science Museum seeks to enhance the understanding and appreciation of art and science for general audiences and students by presenting unique educational and entertaining experiences that encourage discovery, inspire creativity, and foster the pursuit of knowledge.

LASM is fully accredited in accordance with the standards of excellence prescribed by the American Association of Museums.

LOUISIANA ART & SCIENCE MUSEUM

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