

# Teacher's Guide 2023-2024

**SCHOLARSHIP  
OPPORTUNITIES  
AVAILABLE**  
for field trips and  
outreach visits

*See pg. 15*

**FIELD TRIPS** on the campus of UNC-Chapel Hill  
**+ MOBILE PROGRAMS** at your school



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## ABOUT US

**Morehead Planetarium and Science Center** is a national leader in informal science education, utilizing the University of North Carolina at Chapel Hill's resources to educate the public and promote a better understanding of science.

With a commitment to advancing equitable and inclusive science learning and education through community engagement, an exceptional visitor experience, and efforts to increase workplace belonging, Morehead aspires to achieve its mission of Science for All.

## CONTACT

Morehead Reservations Team

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**MOREHEAD  
PLANETARIUM+  
SCIENCE CENTER**



THE UNIVERSITY  
of NORTH CAROLINA  
at CHAPEL HILL



# What to Expect

## THE MOREHEAD EXPERIENCE

### Sharing the wonder of science for more than 70 years

With exciting and inspiring programs designed to engage young learners, Morehead Planetarium and Science Center knows how to bring science to life. Our offerings align with North Carolina Essential Standards, ensuring your experience will enhance your classroom instruction.

Morehead's diverse programs offer something for everyone both on-site in Chapel Hill and in your community.



#### AT MOREHEAD

On-site experiences at Morehead include a full-service planetarium and museum featuring interactive exhibits and learning opportunities.

With 5,000 square feet of exhibits, students can explore Morehead's place in space exploration history and learn about current UNC research in the fields of astronomy, marine science, plant ecology, public health, and biomedical engineering.

Ignite your curiosity with engaging live demonstrations on our Science LIVE! stage and discover our Launch Lab—an interactive STEM-focused tinkerspace.



#### AT YOUR SCHOOL

Bring the amazing Morehead experience to your school. Our mission in offering school-based programming is to deliver exceptional science education that ignites students' curiosity, fosters a profound grasp of STEM disciplines, and illuminates potential future avenues and professional trajectories.

Our thoughtfully crafted activities cater to diverse age groups, backgrounds, and learning aptitudes, ensuring an inclusive and engaging learning environment for all.

# Planetarium Shows

## AT MOREHEAD

[MOREHEADPLANETARIUM.ORG/PLANETARIUM-SHOWS](http://MOREHEADPLANETARIUM.ORG/PLANETARIUM-SHOWS)

**GRADES**  
K-12

**LENGTH**  
45 min.

**MAX. PARTICIPANTS**  
150 people per show



Morehead planetarium shows are an exciting way to engage and inspire your students with a love of science.

Surround your students with the sights, sounds, and sensations of an extraordinary educational adventure! Each program includes a planetarium show and as time permits, a live mini star tour, and a question & answer session with a Morehead educator. Some planetarium shows are available with a Spanish language audio track; (if needed, please request this service one week in advance).

## Now Showing



**FIELD TRIP  
TO MOREHEAD**



**MOBILE PLANETARIUM  
AT YOUR SCHOOL**



**OPTIONAL SPANISH  
AUDIO TRACK**

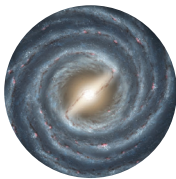


### ASTRONAUT

Recommended for grades 4–5  
(also suitable for grades 6–12)



Learn what it means to be an astronaut, including the rigorous training, the physicality of launching into space, and how weightlessness affects the human body.

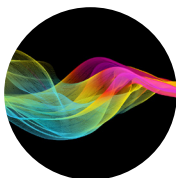


### CAROLINA SKIES

Recommended for grades 3–12



This show focuses on stars, planets, and constellations in our North Carolina sky, and typically includes a view of the Universe from out in space. The presentation is live, led by a Morehead educator and adapted for different grade levels, so each show is unique!



### COSMIC COLORS

Recommended for grades 2–12



Discover the many reasons for color—like why the sky is blue and why Mars is red—and how we use the many wavelengths of light within our everyday lives as well as to make new discoveries in space. Get ready for an amazing adventure under a rainbow of cosmic light!



### EARTH, MOON, AND SUN

Recommended for grades 1–5



Coyote has some big questions. Does the Sun really rise and set? Does Earth's shadow in space cover the Moon to make its phases? Join him in this animated adventure as he shares his wild misconceptions about our Earth, Moon, and Sun—and learns the real science along the way. Produced by Morehead Planetarium





## EARTHQUAKES, VOLCANOES, AND TSUNAMIS

Recommended for grades 5–12



What is going on below the Earth's surface? Our natural disasters put to bed any myth that the planet we call home is "tranquil." Experience breath-taking visualizations of major earthquakes, volcanic eruptions, and tsunamis of recent history.



## FORWARD! TO THE MOON

Recommended for grades 2 and up



Kari Byron from *Crash Test World* and *MythBusters* launches us on a journey beyond the Earth towards a sustainable future in space. NASA's 21st century Artemis program is the next step in our mission to explore the universe and land the first woman and person of color on the surface of the Moon. Produced by Fiske Planetarium in collaboration with TEND Studio with funding from NASA SSERVI and Lockheed Martin



## FROM EARTH TO THE UNIVERSE

Recommended for grades 5 and up



Take a journey out to the colorful birthplaces and burial grounds of stars, beyond the Milky Way, to a myriad galaxies. Students will learn about the history of astronomy, the invention of the telescope, and today's giant telescopes that allow us to probe deeper into the Universe. Directed by Greek filmmaker Theofanis N. Matsopoulos, and featuring a soundtrack from Norwegian composer Johan B. Monell



## GALILEO: THE POWER OF THE TELESCOPE

Recommended for grades 4–12



Travel back in time to witness the earliest experiments of Galileo Galilei. Understand how the telescope has revolutionized our understanding of the universe. Experience how one person can shape the future of science! Produced by Sorel Planetarium and narrated by Dava Sobel



## THE LITTLE STAR THAT COULD

Recommended for grades K–2



Follow "Little Star," an average yellow star, in search of planets of his own to protect and warm. Along the way, meet other stars and learn what makes each star special. Created by the Saint Louis Science Center and reproduced by Audio Visual Imagineering and Brevard Community College



## THE LONGEST NIGHT

Recommended for grades 1–12



In this timeless fable of courage, generosity, and renewal, a young girl leaves her family of traveling storytellers to embark on the quest that leads her to a dragon's nest. What will she discover there, and how will it help her save a village? Produced by Morehead and featuring Paperhand Puppet Intervention



## MAGIC TREE HOUSE® SPACE MISSION

Recommended for grades K–3



Travel with Jack and Annie, stars of the Magic Tree House® best-selling children's book series, as they search for answers to a mysterious riddle they discover in a written note signed "–M." Follow them on an exciting adventure as they meet a helpful astronomer and an astronaut. Features Magic Tree House series author Mary Pope Osborne.



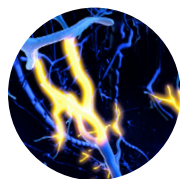
## MARS: THE ULTIMATE VOYAGE

Recommended for grades K–3



What does it take to make it to Mars? In this new production designed by Morehead Planetarium, we'll discover the many challenges astronauts will face and how creativity, communication, and collaboration are essential for deep space exploration.

Mars: The Ultimate Voyage is a collaboration with NASA and the Bell Museum. The work was funded by a NASA Teams Engaging Affiliated Museums and Informal Institutions (TEAM II) Award 80NSSC20M0028 to the Bell Museum through the Regents of the University of Minnesota.



## MYSTERIES OF YOUR BRAIN

Recommended for grades 5–9



Join us for an immersive and animated adventure into the human brain, zooming along the path of neurons and experiencing illusions on a grand scale, exploring how the brain works and what makes human brains so special. Produced by Morehead Planetarium

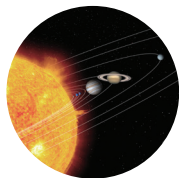


## ONE SKY, MANY EYES

Recommended for grades 5-12



Join Morehead educators in exploring the night sky through the lens of cultural astronomy. This is a unique, live overview of the current North Carolina night sky—weaving together modern astronomy and traditional Native American, African American, and Central American interpretations of the heavens.



## OUR SOLAR SYSTEM AND BEYOND: A CUSTOM LIVE SHOW

Recommended for grades 3-5



Let our educators customize a live show to meet your student's needs. The show's interactive format encourages questions and can include a variety of topics.



## PHANTOM OF THE UNIVERSE: THE HUNT FOR DARK MATTER

Recommended for grades 9-12



Immerse yourself in the hunt for the mysterious substance we call 'dark matter,' speeding alongside particles before they collide in visually stunning explosions of light and sound. Learn how scientists around the world are collaborating to track down the nature of dark matter. Narrated by Tilda Swinton with sound by an Academy Award winning team at Skywalker Sound.



## SOLAR SYSTEM ODYSSEY

Recommended for grades 3 and 6  
(also suitable for grades 4-8)



Animated space explorer Jack Larson and a young stowaway explore our Solar System to find a new home base for humans, investigating the icy rings of Saturn, Jupiter's volcano-ridden moon, Io, and the sub-zero methane lakes of Saturn's moon, Titan. Produced by Morehead Planetarium<sup>1</sup>



## THE SUN: OUR LIVING STAR

Recommended for grades 6-12



The Sun has shone on our world for four and a half billion years. Discover the secrets of our star in this planetarium show and experience intriguing images of the Sun's violent surface in an immersive dome format.



## TAKE FLIGHT

Recommended for grades 3-7



Ride along with brothers Wilbur and Orville Wright for an adventure through the history of flight, from Leonardo da Vinci to Chuck Yeager. Learn about the four forces of flight and fly across the Atlantic Ocean with Amelia Earhart! Produced by Morehead Planetarium



## TALES OF THE AMERICAN SOUTH

Recommended for grades 6-12



Explore the unique stories of the American South through an innovative partnership between UNC-Chapel Hill's Center for the Study of the American South and Morehead Planetarium.



## WE ARE STARS

Recommended for grades 6-12



What are we made of? Where did everything come from? Explore the secrets of our cosmic chemistry and our explosive origins. Connect life on Earth to the evolution of the Universe by following the formation of hydrogen atoms to the synthesis of carbon, and the molecules necessary for life. Narrated by Andy Serkis.

For a detailed list of each show's correlations with NC Essential Standards for recommended grades, visit [moreheadplanetarium.org/nc-standard-course-of-study](https://moreheadplanetarium.org/nc-standard-course-of-study)

<sup>1</sup> The material contained in this planetarium show is based on work supported by the National Aeronautics and Space Administration (NASA) under grant award number NNX09AL78G. Any opinions, findings and conclusions or recommendations expressed in this material are those of the author and do not necessarily reflect the views of NASA.



# Field Trips AT MOREHEAD

[MOREHEADPLANETARIUM.ORG/FIELD-TRIPS](http://MOREHEADPLANETARIUM.ORG/FIELD-TRIPS)

## Science LIVE! Programs

**GRADES**  
K-12

**LENGTH**  
30-45 min.

**MAX. PARTICIPANTS**  
74 people per show



Live shows on Morehead's Science Stage captivate students of all ages. Each "Science LIVE!" program engages the audience and asks for volunteers to participate in exciting science demonstrations. Specific demonstrations may vary depending on grade level.

### SCIENCE LIVE! MAGNIFICENT MATTER

Matter makes up everything—it surrounds you, and can even change its appearance right before your eyes! We will learn about the states of matter, examine some tricky materials that exist between states of matter, make instant "snow," and cap it all off by observing some colorful combustions using the chemical properties of different elements.

### SCIENCE LIVE! PHENOMENAL PHYSICS

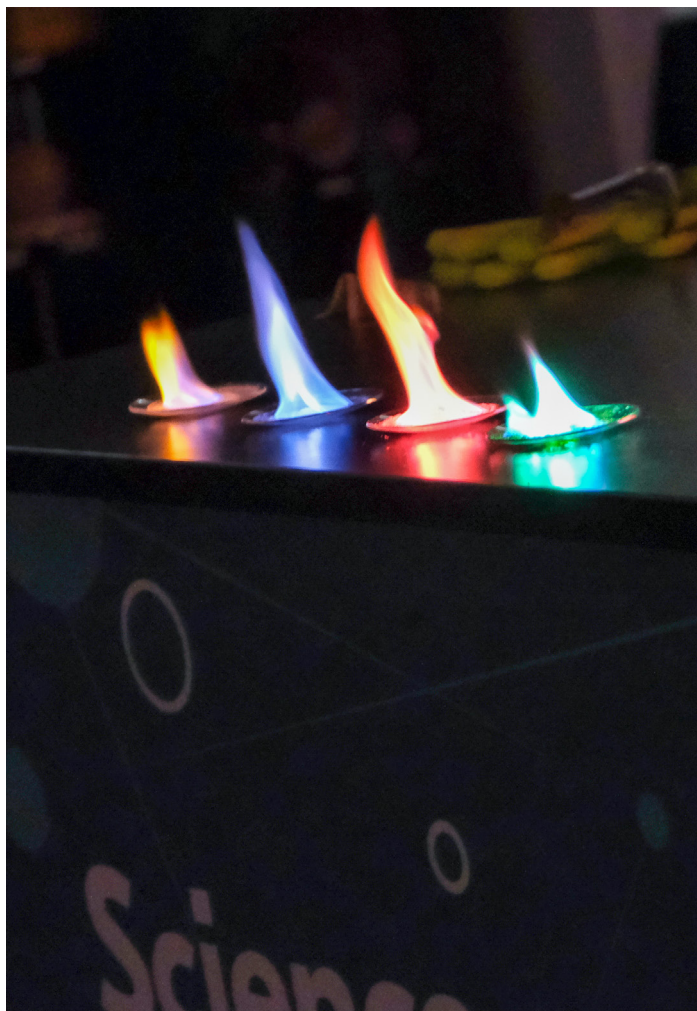
In a program that Isaac Newton would have loved to attend, we will explore the fundamentals of physics through live experiments. We'll talk about forces and motion with some Carolina basketball flair, generate thousands of watts of electricity with our hair-raising Van Der Graaff generator, and do the coolest demonstration ever, literally, by observing nitrogen in two phases.

### SCIENCE LIVE! SCIENCE SHOWTIME

For the very young scientists of the world (minimum age of 4 years old), this 30 minute live show will demonstrate some of Morehead's most exciting science experiments. Participants will learn how we experiment with different materials and see how much fun science can really be in an accessible way.

### SCIENCE LIVE! UNDER PRESSURE

We put science under pressure in this program. We'll demonstrate Bernoulli's principle by levitating a beach ball, demonstrate how much air weighs by crushing a can, try to burst balloons with hundreds of nails, and make a huge combustion in our "whoosh bottle."



# Enrichment Experiences

Add an extra dimension to your visit with a hands-on, minds-on Enrichment Experience led by a Morehead educator.

**GRADES**  
3-8

**LENGTH**  
45 min.

**MAX. PARTICIPANTS**  
30 students

## Launch Lab

In Launch Lab, students will work in groups to complete unique engineering challenges. Each program highlights STEM field careers and focuses on the engineering process of designing, building, testing, and adjusting.

**GRADES**  
3-12

**LENGTH**  
45 min.

**MAX. PARTICIPANTS**  
30 students

### GRASPING AT STRAWS

Recommended for grades 6-12

Learn the unique anatomy of our hands and explore how our bones, muscles, and ligaments work together to create movement. Students will use straws, yarn, and cardboard to build articulated model hands with fingers that move! *This class pairs well with an exploration of the Robotic Hand exhibit.*

### KINETIC SCULPTURES

Recommended for grades 3-8 (ideal for homeschool groups)

Play with balance, stability, and centers of gravity by arranging everyday objects into surprising and complex sculptures! Students will practice conceptualizing and modeling a design by drawing it out before building. *This class pairs well with a Phenomenal Physics Science Stage demonstration.*

### LIGHT POLLUTION CIRCUITS

Recommended for grades 6-12

Light pollution affects animals, astronomers, and human health. Learn about this growing issue and how efforts such as designing better streetlights can help to solve it. Students will create simple circuits and use light-measuring equipment to test their original lamp designs. *This program pairs well with a Carolina Skies show and an exploration of the Cosmic Quest exhibit.*

### ROUND AND ROUND WE GO

Recommended for grades 3-4

Get ready to move as we explore the relationship between the Earth, Moon, and Sun in this highly interactive and kinesthetic class. Why do we have day and night? What causes eclipses? We'll answer these questions and more as we "dance the night away."

### SOLAR SYSTEMATICS

Recommended for grades 3-8

What does our Solar System really look like? How do we know? In this hands-on adventure, students become NASA engineers as they design, build, and test interplanetary landers that are needed to explore rocky worlds like Mars.

### LIGHT SPECTRUM EXPLORATION

Recommended for grades 6-12

Discover the composition of white light, which consists of all the colors of the rainbow, by constructing your own light spectrometer! Participants will learn about how astronomers utilize these methods to determine the makeup of cosmic bodies. *This class pairs well with a Magnificent Matter Science Stage demonstration, an exploration of the Hidden No More exhibit, and the Cosmic Colors show.*

### SCRIBBLEBOTS

Recommended for grades 3-8 (ideal for homeschool groups)

Students will start learning about circuits by building their own doodling robots. Once they've got the basics down, the real fun begins as they experiment with how changing the elements of their bot affects its artistic abilities.

### UNIDENTIFIED FLYING OBJECTS!

Recommended for grades 3-8 (ideal for homeschool groups)

Explore the effect that moving air has on objects, including constructions made from everyday materials. Test your creations out to see how modifying their designs affects flight patterns. *This class pairs well with an Under Pressure Science Stage demonstration and the Take Flight show.*

### VALVES INSIDE

Recommended for grades 3-8

Healthy valves are crucial to the proper functioning of our hearts and an essential aspect of human anatomy. Using a variety of materials, students will design and create replacement heart valves, test their effectiveness, and discover research being done right here on UNC's campus!



# Morehead At Your School

## MOBILE PROGRAMS

[MOREHEADPLANETARIUM.ORG/AT-YOUR-SCHOOL](http://MOREHEADPLANETARIUM.ORG/AT-YOUR-SCHOOL)

Morehead's Mobile Programs deliver science directly to your school. Our outreach educators specialize in bringing fun and engaging science activities designed to accommodate grade levels, learning styles, classroom settings, and group sizes.



## Earth & Beyond

In this Morehead program, students participate in standards-aligned lessons that explore earth science and astronomy concepts. You can choose between a Mobile Planetarium visit, a classroom program, or both. In the classroom, students experience exciting astronomy visualizations, explore moon phases and light, learn to map planetary surfaces, hunt for exoplanets, and much more! The Mobile Planetarium brings our immersive planetarium shows directly to your school.

### THE EARTH & BEYOND PROGRAM OFFERS 3 CHOICES FOR YOUR SCHOOL:

☐ Classroom Program

☐ Mobile Planetarium

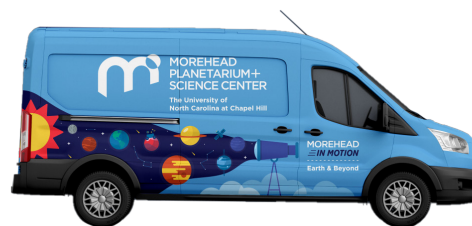
☐ Classroom Program +  
Mobile Planetarium

## Classroom Programs

**GRADES**  
K-12

**LENGTH**  
60 min.

**MAX. PARTICIPANTS**  
25 students per session



### A YEAR OF WEATHER

Recommended for grades K-2

Have you ever wondered how clouds and rain are formed in the Spring? How can wind blow the leaves from the trees in Autumn? How does water change into delicate snowflakes and hazardous ice in Winter? A Year of Weather helps students visualize the fascinating and varied changes in our atmosphere throughout the seasons. *Pair this lesson with one of the following mobile planetarium shows: Magic Tree House; Moving All Around; Earth, Moon, and Sun.*

### SPACE OBSERVERS

Recommended for grades K-2

How do people observe objects that are far away? Students will practice their observational skills to compare how the views we see are different when we use our eyes and when we use tools like a telescope and binoculars. *Pair this lesson with one of the following Mobile Planetarium shows: Magic Tree House; Moving All Around; Earth, Moon, and Sun.*

## SOLAR SYSTEM EXPLORATION

Recommended for grades 3–5

Have you ever wondered what scientists look for when we explore other planets? What features do we use to help classify things in our solar system? What in the world happened to Pluto?!?! Explore these concepts and more through hands-on activities and visualizations to classify objects in our solar system, indirectly map a planet's surface, and help solve an inter-planetary mystery. *Pair this lesson with one of the following mobile planetarium shows: Earth, Moon, and Sun; Mars: The Ultimate Voyage; Solar System Odyssey.*

## CLIMATE TRACKERS

Recommended for grades 6–8

What is the difference between climate and weather? What is climate change? How do we track the cycling of water and gases in our own atmosphere? This activity will help students connect with the global concept of climate while using meteorological models and NASA visualizations to track the vital signs of our planet — including carbon released into the atmosphere. *Pair this lesson with the following Mobile Planetarium show: Solar System Odyssey.*

## EXOPLANET HUNTERS

Recommended for grades 6–8

Is there another planet like Earth out there? Are there other solar systems besides our own? How can we see things that are so far away? Students will tackle these questions using NASA data and visualizations and will explore some of the thousands of planets outside of our own solar system. Classifying these otherworldly planets can help us

gain better insight into planet formation and some of the mysteries of our own Solar System. *Pair this program with one of the following Mobile Planetarium shows: Astronaut; Forward! To The Moon!; Mars: The Ultimate Voyage; Solar System Odyssey.*

## LIGHT & THE ELECTROMAGNETIC SPECTRUM

Recommended for grades 9–12

How are we able to look so far back into space and time? How does light travel and how do we capture it? How does this journey inform our knowledge of the universe? Where do black holes lead? Students will explore how the Hubble Space Telescope, the recently debuted James Webb Space Telescope, and other observatories use the electromagnetic spectrum to give us a brighter picture of the matter and structure of the universe. Through exploration of wavelengths, students will understand how beautiful astronomical images come to life. *Pair this lesson with one of the following Mobile Planetarium shows: Moving All Around; Surveying the Solar System.*

## OCEAN ACIDIFICATION & CLIMATE CHANGE

Recommended for grades 9–12

How does human activity affect our oceans and seas? How do scientists measure changes in the health of the ocean? How does this affect us in North Carolina? As future scientists, students will perform pH assessment to learn about ocean acidification and use NASA Earth Science data to track the potential path for rising sea levels. *Pair this program with the Mobile Planetarium show: Earthquakes, Volcanoes, and Tsunamis*

# Mobile Planetarium

GRADES  
K-12

LENGTH  
45 min.

MAX. PARTICIPANTS  
20-30 students per session

Morehead's Mobile Planetarium delivers our unique fulldome theater experience to your school with an inflatable dome, a digital projection system, and an inventory of shows to serve all grade levels. Combined Mobile Planetarium/classroom visits offer planetarium shows paired by topics to reinforce program curricula. See planetarium shows (pages 4-6).





# Science on Stage

## ASSEMBLY STYLE

Recommended for grades K-12, 45 minutes

Get your students excited about science! Science on Stage's assembly-style format will captivate participants with interactive experiments and demonstrations performed by a Morehead educator in the school's gym, auditorium, or outdoor stage.

Students will investigate force and motion, experiment with phase changes and chemical reactions, and explore other topics to support and supplement classroom learning. Program content is customized by grade level.



# Skywatching Science Nights

## OUTDOOR

Recommended for grades K-12

Schools can now explore space science with hands-on astronomy activities and telescope demonstrations at community events designed for teachers, students, and families. Topics and curriculum will be determined by celestial news and highlights.

Sample activities include safe solar observation, learning the mechanics of a telescope (with the opportunity to look through telescopes), moon exploration with binoculars, and interactive activities for all ages to enjoy.

# North Carolina Science Festival

APPLY FOR NCSCIFEST PROGRAMS AT [NCSCIFEST.ORG/EDUCATORS](https://ncscifest.org/educators)



The North Carolina Science Festival—founded by Morehead in 2010—is a statewide, month-long celebration of science that takes place every April. Hundreds of fun (and usually free) public events will be listed on the NCSciFest website in mid-February.

Educators are vital to the North Carolina Science Festival’s mission—we thank you for everything you do and encourage you to participate in the NCSciFest with your students. The NCSciFest offers “at-your-site” educational programs specifically for K-12 schools.

## DUKE ENERGY SCIENCE NIGHTS

Grades K-5

Funding from the Duke Energy Foundation allows NCSciFest staff to produce STEM activities and resource kits for use by elementary schools across the state. This program is designed to help you host a fun science event for your students and their families with the use of a kit that includes hands-on activities aligned with NC Science Essential Standards, a planning guide, activity instructions (in English and Spanish), materials for up to 200 participants, and the support of NCSciFest staff.

The Duke Energy Foundation sponsorship funds a number of kits to award at no charge. These are awarded to schools using an application process that includes a review of school need, demographics, geography, and past participation.

Kits can be purchased and sponsorship applications open starting in August. Schools hold their family science night during April, bringing families together as a community to explore and experiment.

Learn more about kit contents, application deadlines, and program timeline at [ncscifest.org/desn](https://ncscifest.org/desn)



## SCIMATCH

Grades 6-8

The NCSciFest team recruits dynamic and dedicated scientists from diverse backgrounds to share their excitement about science with middle school students. SciMatch pairs middle school teachers with these scientists to schedule classroom visits to speak about their backgrounds and research, answer questions about their careers, and engage your students in a fun, hands-on activity. This program is designed to inspire students to consider science as a career.

Applications open in August. Visits are scheduled during April and are offered virtually or in-person. Learn more at [ncscifest.org/scimatch](https://ncscifest.org/scimatch)

## PUBLIC EVENTS

All ages

The NCSciFest team and our network of partners across the state produce hundreds of amazing STEM events for public and K-12 audiences each April. The calendar of events goes live on February 14. Find events near you at [ncscifest.org](https://ncscifest.org)



# Plan Your Visit with Morehead

CHOOSE THE EXPERIENCES YOU WANT FOR YOUR MOREHEAD FIELD TRIP:

## FIELD TRIPS TO MOREHEAD

Choose the experience(s) you want for your Morehead field trip.

- ☐ Watch a planetarium show in Morehead's fulldome theater (see pages 4-6)
- ☐ Participate in a Science LIVE! demonstration program (see page 7)
- ☐ Practice hands-on skills in an enrichment experience (see page 8)
- ☐ Learn by creating in a Launch Lab program (see page 8)

Choose the dates for your Morehead science experiences — a first choice, a second choice, and a third choice. Morehead will strive to accommodate your selection, but cannot guarantee availability.

Decide how your group will travel to Morehead.

Submit a field trip reservation form online at [moreheadplanetarium.org/field-trips](https://moreheadplanetarium.org/field-trips)

## MOREHEAD AT YOUR SCHOOL

Choose the experience(s) you want for your Morehead mobile visit.

- ☐ Practice hands-on skills with our Earth & Beyond classroom programs (see pages 9-10)
- ☐ Explore the stars and science in a fulldome experience with the Mobile Planetarium (see page 10)
- ☐ Experience a live demonstration with Science on Stage (see page 11)
- ☐ Invite your community to a school Skywatching event (see page 11)

Decide how your school will accommodate a visit from a Morehead mobile program.

Consider which dates your school would not be able to accommodate a Morehead visit. Based on your response, our outreach team will offer you a selection of potential dates.

Each At-Your-School program has its own reservation form. Find them online at [moreheadplanetarium.org/at-your-school](https://moreheadplanetarium.org/at-your-school)

## DONE!

You should receive an email notice that we have received your request within 15 minutes of submitting the form. A Morehead reservations specialist will contact you within a week to confirm options for your reservation and discuss any special requests.

# Pricing

AT MOREHEAD	Planetarium Show, Enrichment Experience*, Launch Lab*, or Science LIVE! Program		Student Fee	Adult Fee
	First show or class		\$11.50/Students and Seniors	\$14.50/Adult
	Additional show or class		\$4.00/ea	\$5.00/ea*
	*Students are charged for each added program after the first program, including added planetarium shows, science stage presentations, enrichment classes, or launch lab programs. Adults are only charged an added fee for extra planetarium shows, not for science stage presentations, enrichment classes, or launch lab programs.			

AT YOUR SCHOOL	Earth & Beyond	Daily Rate <sup>1</sup>	Max. Sessions per Day	Max. Participants	Session Length
	Classroom Program	\$420	2	30	60 min.
	Mobile Planetarium	\$495	4	30/24/20 <sup>2</sup>	45 min.
	Classroom + Mobile Planetarium	\$630	2/1	30/24/20 <sup>2</sup>	2 hrs
	Science on Stage				
	One-day school visit with assembly demonstrations only	\$445	3	150	60 min.
	Skywatching Science Nights**				
	One-day school visit	\$585 <sup>3</sup>	1	200	1-2 hrs
**Limited to within 90 miles of Chapel Hill					

TRAVEL FEES <sup>4</sup>	Sites more than 90 miles from Chapel Hill	\$10 per mile
	Reservations requiring overnight stay (most visits over 90 miles will require an overnight stay fee)	\$190 per day

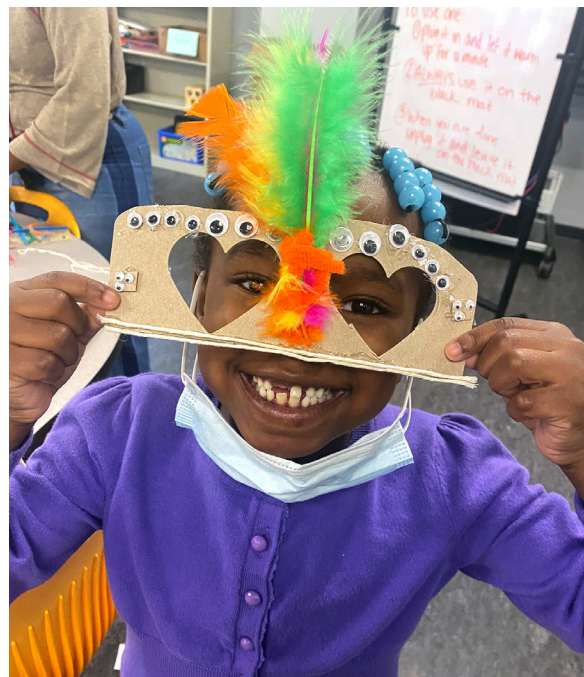
[MOREHEADPLANETARIUM.ORG/PRICING](https://moreheadplanetarium.org/pricing)

<sup>1</sup> Fee for visits within 90-mile radius of Chapel Hill

<sup>2</sup> Mobile Planetarium occupancy is dependent on grade level

<sup>3</sup> Non-profit/school rate

<sup>4</sup> Distances are calculated with the Google Maps application



# Frequently Asked Questions


## Do your programs line up with my curriculum?

Our grade level recommendations for each program and planetarium show are based on NC Essential Standards correlations. We also deem shows suitable for varying grade levels based on age group. Please visit Morehead's website for a detailed list of each program's correlations with NC Essential Standards.

## My students are studying science topics that aren't covered by your current programs. Can you still help us?

If you have a special curriculum need for your school or afterschool program, please let us know. Morehead is continually expanding its program choices, and our educators may be able to help you meet special needs.

## Are your programs available in different languages?

All Morehead programs are available in English. Some planetarium shows are also available with audio tracks in Spanish. (Look for the  icon on the planetarium show listings, pages 4-6.) Please request this service at the time you make your reservation.

## Are your programs accessible to persons with disabilities?

At Morehead, the GSK Fulldome Theater and Science Stage are both accessible by ramp and offer assistive listening devices. Before each visit, mobile program educators will work with teachers to ensure the learning experience supports their students' needs. Please contact Morehead's reservations team at 919-843-7993 or [mpsc\\_reservations@email.unc.edu](mailto:mpsc_reservations@email.unc.edu) for additional information.

## Can each person pay individually?

To offer group pricing, Morehead requires a single payment by check or credit card (MasterCard, Discover, or Visa) from the school. You will receive an invoice in advance, confirming the total participants and the amount due. For a field trip at Morehead, payment is due 3 business days prior to your visit. For a mobile visit at your school, payment is due two weeks in advance.

## May a charter operator make arrangements for our field trip?

Morehead policy requires that we communicate directly with an official representative of the school.

If a third party (charter operator, travel agent, other trip planner) who is not a school employee makes arrangements for a field trip, the third party is responsible for payment of the full invoiced total for the reservation.

## What are the requirements for the Mobile Planetarium?

To accommodate the Mobile Planetarium, you must have a site with these requirements:

1. Quiet, indoor room (if the Mobile Planetarium will be in a gym or play space, please arrange for other activities to be moved outside or to another location)
2. Minimum clear floor space of 30 feet by 30 feet
3. Minimum ceiling height of 13 feet with no obstructions (hanging light fixtures, fans, etc.)
4. Two grounded 120-volt standard electric outlets, clean swept floor, and adjustable lighting, if possible
5. Air conditioning for visits occurring May-September

The Mobile Planetarium can accommodate wheelchairs and one teacher must accompany the students inside.

## MORE QUESTIONS

VISIT OUR WEBSITE:

[MOREHEADPLANETARIUM.ORG/FIELD-TRIP-FAQS](https://moreheadplanetarium.org/field-trip-faqs)

OR CALL OUR RESERVATIONS TEAM: 919-843-7993

OR EMAIL US: [MPSC\\_RESERVATIONS@EMAIL.UNC.EDU](mailto:mpsc_reservations@email.unc.edu)



## Scholarships

Morehead's mission is to spread science education throughout the state of North Carolina. Through the help of our generous donors, we can offer scholarships for field trips and mobile visits to your area!

Your school may qualify for scholarship assistance. You will have the option to request scholarship funding when you complete your online reservation request form.





**MOREHEAD  
PLANETARIUM+  
SCIENCE CENTER**

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## Explore with Morehead

Morehead knows how to bring science to life, with exciting and inspiring programs designed to engage young learners. From on-site field trips to mobile visits at your school, we offer something for everyone.



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