



Educators' Guide 2026-2027



Featuring programs correlated to the
North Carolina Standard Course of Study
and
***North Carolina Foundations for
Early Learning and
Development***



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120 West 3rd Street
Winston-Salem, NC 27101

Welcome Desk: (336) 767-6730

To book a field trip to Kaleideum:

scheduling@kaleideum.org

or

kaleideum.org/school-field-trip-form

School Year Hours

(Labor Day-Memorial Day)

Monday **Members Only**

9 am-Noon

Tuesday-Friday 9 am-5 pm

Saturday-Sunday 10 am-5 pm

Kaleideum is closed on specific holidays throughout the year. Please visit kaleideum.org for the most up-to-date information.

School Group Admission

(per person)

Winston-Salem/Forsyth County	
School System Students	Free
All other Forsyth County Students	\$9
Preschool Students	\$9
Out-of-County School Students	\$11
Teachers (within Forsyth County)	Free
Adult Monitors*	Free
Bus Drivers	Free

**One free adult monitor per 10 students.*
Adult monitors must be included in the initial reservation.

Education Program Fees

(per person)

PreK-12th Grade Programs	\$8
Digital Dome Theater Programs	\$8
Musical Laser Shows	\$5

*Winston-Salem/Forsyth County
Title I Schools receive one free program
per group per year.*

Non-School Groups of 10 or More Admission

(per person)

*To ensure you receive this rate,
please pre-register your group.*

Youth and Adults	\$9
11 months and under	Free
Bus Drivers	Free

Pricing

- NC sales tax is included in the prices shown.
Program fees are not taxed.

Field Trip Admission Policy

- Kaleideum members may use their membership for admission only if they are attending independently and are not included as part of a school’s official field trip reservation (with the free chaperone wristbands, etc.).
- The following will NOT be accepted for field trip admissions:
 - Reciprocal memberships (ASTC, ACM, zoo memberships, etc.)
 - Community access memberships
- Parents included in the official field trip reservation will pay the group admission rate through the school.
- Chaperone bracelets will be distributed through teachers, with teachers responsible for determining who receives them.

Bus Driver Policy

- Only official bus drivers and authorized school transportation staff will receive complimentary admission.
- Individuals accompanying drivers for personal reasons will be required to pay admission.
- Wristbands will be used to clearly identify authorized bus drivers and transportation staff.



PLANNING YOUR VISIT

Reservations

Please make reservations at least **two weeks prior** to the requested date in order to ensure a greater number of program choices.

To book a field trip to Kaleideum:

Visit kaleideum.org/field-trips to fill out and submit the online

School Year Field Trip Registration Form.

You will be contacted when your Registration Form is received.

If you have questions, please email scheduling@kaleideum.org or call (336) 767-6730.

To assist with planning, Forsyth County educators are invited to visit Kaleideum **free of charge** with their valid teacher ID.

Important! Your field trip or group visit to Kaleideum is **not confirmed until you receive a confirmation letter**. Please bring the confirmation letter with you to present at the Welcome Desk on the day of your visit. **If you do not receive your letter within two weeks of booking your visit, please email scheduling@kaleideum.org.**

Cancellations or Late Arrivals

Kaleideum strives to be flexible and accommodate changes in schedule; however, we appreciate as much advance notice as possible.

- If your group must cancel or reschedule your visit to Kaleideum, please call the Welcome Desk as soon as possible and provide at least 24 hours' notice in order to avoid a possible \$50 cancellation fee.
- If your group will not be arriving by your scheduled time, please call the Welcome Desk at (336) 767-6730.

A late arrival could result in shortened or cancelled programs with no refund. Late entry to a Digital Dome program in progress is prohibited.

Dining

You are welcome to bring bag lunches!

- All attempts will be made to schedule your lunch time prior to your arrival.
- We ask that you adhere to the lunch schedule so that we can accommodate all groups.
- Kaleideum is convenient to many restaurants. Please inform the Welcome Desk at check-in if you are planning to have lunch delivered.

Fractals Gift Shop

Fractals Gift Shop features a wide array of fun and educational items to fit every budget and enhance your experience.

- Pre-packaged gift bags, a convenient way to save time and money, are available for \$3 each and contain a sampling of our most popular items. **Please request gift bags when you schedule your field trip.**
- For the convenience of all guests, we ask that the Welcome Desk be notified if your group wishes to visit the gift shop. We ask that only **five students** visit at a time, and they must be accompanied by an adult monitor.
- **Teachers receive a 10 percent discount on Fractals Gift Shop items.**



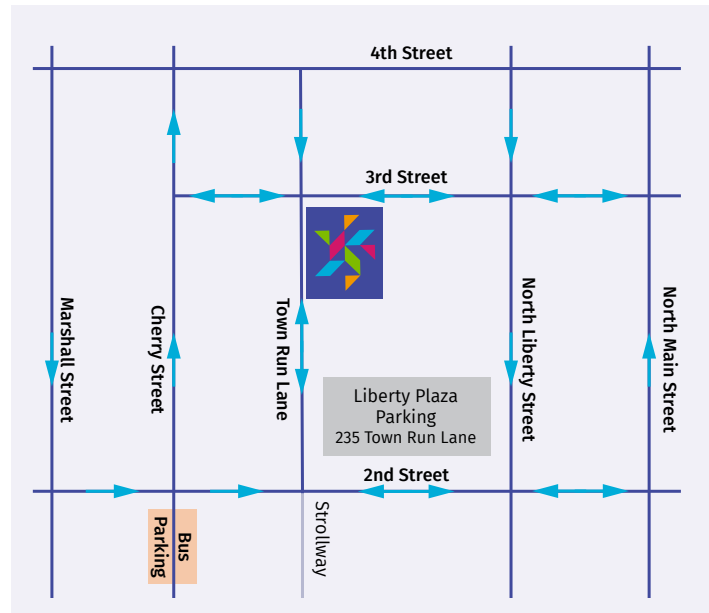
Accessibility Information

Kaleideum is committed to creating and sustaining a diverse, equitable, accessible, and inclusive learning environment. Kaleideum can accommodate a variety of accessibility needs.

- Seating is available throughout the museum.
- Elevators are conveniently located.
- All permanent signage is in English and Spanish.
- Wheelchairs are available. Please ask at the Welcome Desk.
- Large restrooms and family restrooms are located on each floor.
- All restrooms have changing tables, and there is a motorized adult changing table in the family restroom on the fourth floor.
- Sensory-friendly wellness rooms are located on all floors.
- Sensory-friendly backpacks and visual schedules can be requested at the Welcome Desk.
- **PLEASE NOTE:** Digital Dome shows contain strobe lighting and visual effects that could cause seizures.

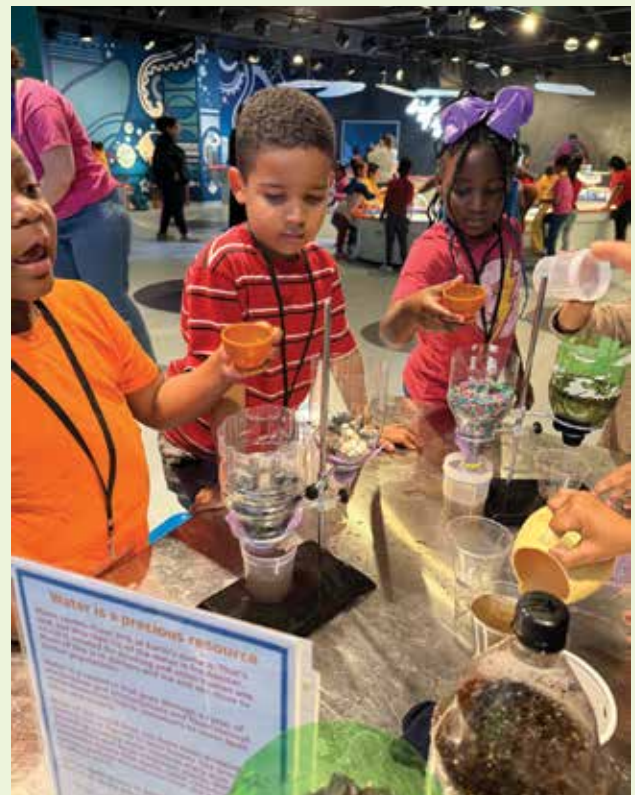
Location and Parking

Kaleideum is located at 120 West 3rd Street, Winston Salem, NC 27101. Parking is available in the Liberty Plaza parking deck located behind the museum on Town Run Lane. Bus parking is available off-site on Cherry Street.



Tips for a Great Visit!

- We recommend allowing at least two hours to explore.
- Learning Lab programs are approximately 30-45 minutes long.
- Students must be monitored at all times.
- Food and drinks are allowed only in designated areas.
- Please don't feed any animals or tap on aquariums or enclosures.
- **Scavenger hunts are available for free download on our website.**



PreK-Kindergarten | Learning Lab Programs

Learning Lab Programs are hands-on, interactive explorations for individual classes of up to 25 students.

Science & Stories:

A Turtle-y Fun Adventure

Get ready for a shell-tastic adventure! Meet two of Kaleideum's live turtle and tortoise ambassadors and discover what makes these remarkable reptiles unique. Through hands-on observation, students will compare turtles and tortoises, separate fact from fiction by exploring stories and real-life science, and uncover amazing adaptations that help these animals thrive. Then, bring the fun home by creating a turtle-inspired craft to remember the experience.



North Carolina Foundations for Early Learning and

Development — LDC-8-LDC-10; APL-1; APL-2; APL-5; APL-8

North Carolina Standard Course of Study — LS.K.1 & LS.K.2; ELA-RL.K.1; RL.K.3; RI.K.5; RI.K.7; RI.K.9

Scales, Feathers & Furs — Oh My!

Embark on a wild adventure through the animal kingdom! Meet some of Kaleideum's live animal ambassadors as you discover how animals grow, move, find food, and survive in the wild. Along the way, students will explore the differences between living and nonliving things, get hands-on with real animal pelts, match baby animals to their adult counterparts, and sort animals by their unique features and adaptations.



North Carolina Foundations for Early Learning and

Development — APL-1; APL-2; ESD-5; LDC-2; LDC-3; CD-14; CD-15

North Carolina Standard Course of Study — LS.K.1; LS.K.2

Tiny Meteorologists

Bundle up, splash in, and shine bright as you explore the wonderful world of weather! Discover how the seasons change and investigate the weather we experience every day through playful, hands-on exploration. Make it rain with a classroom storm, watch a cloud appear inside a bottle, dig into a snowy Arctic sensory bin, and create a colorful rainbow to take home. Along the way, students will observe weather patterns, compare the seasons, and uncover the science behind the changing world around them.



North Carolina Foundations for Early Learning and

Development — APL-1; APL-2; APL-5; APL-8; LDC-1-LDC-4; CD-15

North Carolina Standard Course of Study — ESS.K.1



*See page 9 for **Geology at Work**, an off-site program for grades K-6+.*

*See page 13 for **Kaleideum To You** programs for ages 2-5.*

1st-2nd Grade | Learning Lab Programs

Learning Lab Programs are hands-on, interactive explorations for individual classes of up to 25 students.

Tails vs. Tales:

Explore Literature Through Science

What happens when a story leaps off the page? Discover how books can inspire scientific discovery as students compare fiction and nonfiction animal texts, separating imaginative storytelling from real-world facts. Meet two of Kaleideum's live animal ambassadors, examine photographs and observations, and investigate the unique characteristics that make each animal special. Along the way, students will sharpen their observation skills, think like scientists, and see how reading opens the door to exploring the natural world.

North Carolina Standard Course of Study — LS.1.1; LS.2.1; ELA RL.1.1; RL.1.3; RL.1.5; RI.1.1; RI.1.7; RI.1.9; RL.2.1; RI.2.5; RI.2.6; RI.2.7

Animal Detectives:

Exploring Animal Needs & Life Cycles

Grab your detective badge and follow the clues! Meet some of Kaleideum's amazing animal ambassadors as you investigate how animals grow, change, and survive in the wild. Piece



together familiar animal life cycles, examine real animal skeletons, compare unique adaptations, and uncover how different animals find the food, water, and shelter they need to thrive. Every observation brings students one step closer to solving the mysteries of the animal kingdom while discovering the incredible ways living things change throughout their lives.

North Carolina Standard Course of Study — LS.1.1.1; LS.1.2; LS.2.1.1, LS.2.1.2

Junior Meteorologists

Step into the role of a meteorologist and discover the science behind the forecast! Investigate changing weather patterns, explore the seasons, and learn how scientists observe and measure the weather every day. Create a cloud inside a bottle, spin up a tornado tube, measure water temperature, and use an anemometer to investigate the power of wind. As students gather observations and collect real weather data, they'll uncover the tools and techniques meteorologists use to understand our ever-changing atmosphere.

North Carolina Standard Course of Study — ESS.2.1

Matter Explorers

Put on your scientist's hat and investigate the amazing world of matter! Discover the unique properties of solids, liquids, and gases as you explore how matter can change from one state to another. Through hands-on experiments, students will classify different types of matter, observe the effects of heating and cooling, and use scientific vocabulary to describe what they see. Every experiment reveals a new clue about the building blocks of our physical world and shows that science is full of exciting discoveries.

North Carolina Standard Course of Study — PS.2.1



Magnetic Marvels

Can you move an object without ever touching it? Discover the surprising power of magnets as you explore one of science's most fascinating invisible forces. Test which objects attract magnets, challenge yourself with magnet-powered games, build creative designs with magnetic tiles, and experiment with magnetic attraction through hands-on exploration. As students investigate, they'll discover that what seems like magic is actually science in action!

North Carolina Standard Course of Study — PS.1.1

See page 9 for Geology at Work, an off-site program for grades K-6+.

3rd-5th Grade Learning Lab Programs

6th-8th Grade Learning Lab Programs

Learning Lab Programs are hands-on, interactive explorations for individual classes of up to 25 students.

Forces in Nature

Ready, set, engineer! Put your design skills to the test as you build, race, and improve a LEGO® race car while investigating the forces that make objects move. Experiment with ramps, tackle magnetic challenges, and discover how pushes, pulls, and friction affect speed, distance, and direction. As students test, redesign, and race again, they'll think like engineers — using evidence and creativity to build a better solution every time.

North Carolina Standard Course of Study — PS.3.2; PS.5.2



Force in Action: *The Catapult Challenge*

Can your team launch the farthest — or hit the target with pinpoint accuracy? Put your engineering skills to the test as you design, build, and refine a working catapult using PVC pipes and rubber bands. Experiment with angle, force, and tension, then collect data, analyze your results, and redesign your launcher to improve its performance. Once the challenge is complete, head into Kaleideum's *In Motion* exhibit to uncover the simple machines hidden throughout the gallery and discover how the same principles of force and motion power inventions used every day.

North Carolina Standard Course of Study — PS.7.1; PS.7.2.4

Electricity and Magnetism Unleashed

Flip the switch on discovery! Become an electrical engineer as you investigate two of nature's most powerful forces — electricity and magnetism. Experiment with static electricity, build simple circuits that power lights and motors, and use magnets to create motion through hands-on challenges. As students test, troubleshoot, and refine their designs, they'll uncover how energy flows and discover the invisible forces behind many of the technologies they use every day.

North Carolina Standard Course of Study — PS.4.1; PS.5.2

Matter Mix-Up

Mix, fizz, bubble, and discover! Step into the role of a chemist as you explore how matter changes through exciting hands-on experiments. Investigate the difference between physical and chemical changes by creating observable reactions, comparing transformations, and uncovering the clues that reveal what's happening at the molecular level. As students observe, predict, and explain each reaction, they'll build scientific vocabulary and experience the excitement of chemistry in action.

North Carolina Standard Course of Study — PS.3.1; PS.5.1



Chemistry Chaos

Grab your goggles and get ready to experiment! Step into the role of a chemist as you investigate the fascinating world of matter through a series of hands-on laboratory challenges. Mix, measure, and observe substances

as you uncover the signs of chemical reactions, compare physical and chemical changes, and explore how matter is organized into elements, compounds, and mixtures. Using evidence from each investigation, students will analyze results, defend their conclusions, and discover that every reaction tells a scientific story waiting to be solved.

North Carolina Standard Course of Study — PS.6.1; PS.8.1



See page 9 for off-site programs.

Off-Site Programs

H2Know: Testing Nature's Waters

Grades 6-8

Trade the classroom for the great outdoors and become an environmental scientist for the day! At Gateway Nature Preserve, students will investigate the health of a local stream by collecting water samples and testing water quality indicators such as pH, temperature, and dissolved oxygen. Using nets, they'll search for aquatic macroinvertebrates — tiny organisms that reveal the health of the ecosystem — and use their discoveries as biological clues. Students will also design and test their own water filtration systems, then hike the preserve to identify native organisms and uncover the food chains and food webs that connect them. By collecting real data, solving environmental challenges, and making observations in the field, students will experience firsthand how scientists study and protect the natural world.

North Carolina Standard Course of Study — ESS.8.3

This program takes place at Gateway Nature Preserve. Please be advised that participants will walk to the stream site, so appropriate attire and footwear are recommended. If your group has any accessibility needs, we kindly ask that you inform us in advance so we can make the necessary accommodations. Groups are also welcome to visit Kaleideum on the same day as their program.



Geology at Work

Grades K-6+

Go behind the scenes where geology meets industry! Join Kaleideum educators for an exclusive exploration of Vulcan Materials Company's active quarry and discover how rocks, minerals, and other Earth materials are extracted and transformed into the resources that build our communities. Then, step inside the Joseph A. Gutierrez Geology and Earth Science Museum to examine an impressive collection of gems, minerals, fossils, and rock specimens while uncovering the powerful geologic processes that have shaped our planet over millions of years. From towering quarry walls to sparkling mineral displays, students will see geology come to life and gain a deeper appreciation for the Earth's natural resources and their impact on everyday life.

This program is fully sponsored by Vulcan Materials Company.

Groups are encouraged to visit Kaleideum free of charge on the same day as their Geology at Work program.



North Carolina Standard Course of Study – ESS.1.2; ESS.1.3; ESS.4.2; ESS.6.2

Digital Dome Theater Programs



Experience the wonders of our advanced Digital Dome Theater! Imagine a giant, futuristic screen that takes you on voyages through space, climate, nature, and the oceans. In our Planetarium, we showcase fascinating shows about the mysteries of the cosmos and the beauty of our planet. Zoom in on planets, explore the secrets of distant stars, and journey through Earth's diverse landscapes — all from where you sit! Join us for an unforgettable adventure into space and our amazing world!

School Group programs are for students, teachers, and monitors only.

Groups with fewer than 15, please email scheduling@kaleideum.org.

Dome program will be scheduled for 45-minute blocks. Actual program time varies but is roughly 25-minutes with 20 minutes for Q&A, upon request.



Laser programs are not recommended for those with epilepsy, flicker vertigo, or other motion or light sensitivities.

Zula Patrol

Grades PreK-2

25-minute movie program

When weather is stolen from the planets in our solar system, the Zula Patrol comes to the rescue! Learn about weather processes not only on Earth but on other planets in our solar system with this lovable gang of aliens called the Zula Patrol. This movie covers the basics of weather on Earth and compares it with weather on other planets in our solar system.

North Carolina Standard Course of Study —
ESS.K.1; ESS.1.1; ESS.2.1



Hazelnuts

Grades PreK-3

25-minute movie program

Join Nino and Lilli, two squirrels searching for the greatest hazelnuts in the



universe! As they attempt to reach other planets, they'll learn about what makes Earth special. This program will cover the conditions for life on Earth, the formation of the Earth, and the habitability of other planets.

North Carolina Standard Course of Study —
ESS.K.1; ESS.1.1; ESS.2.1; ESS.3.1

Starry Safari

Grades PreK-3

20-minute live program

Introduce your students to the wonders of the night sky in this live, educator-led experience inside our Digital Dome. Designed for younger learners, this interactive program provides an engaging and accessible introduction to constellations inspired by animals, including lions, bears, dogs, bulls, dragons, and more. Students will explore how these star patterns help us observe and describe the night sky while sparking curiosity and imagination.

North Carolina Standard Course of Study — ESS.K.E.1; ESS.1.E.1; ESS.2.E.1

One World, One Sky

Grades PreK-2

25-minute movie program

Follow Sesame Street's Big Bird and Elmo as they explore the night sky with Hu Hu Zhu, a Muppet from Zhima Jie, the Chinese co-production of Sesame Street. Together, they take an imaginary trip from Sesame Street to the Moon, where they discover how different it is from Earth. Children attending the show can interact as they watch, drawing constellations and counting the time it takes for the sun to set.

North Carolina Standard Course of Study —
ESS.K.1; ESS.1.1; ESS.2.1



Earth, Moon & Sun

Grades K-1

25-minute live lecture

Explore the relationship between the Earth, Moon and Sun within our solar system. Examine the Earth from the International Space Station, learn how gravity keeps us on Earth, how the Sun



keeps us alive, and how everything moves together in this educational program for the young astronomers.
North Carolina Standard Course of Study
— ESS.K.1; ESS.1.1

Cosmic Adventure

Grades K-5

25-minute movie program

This show for families takes us on a roller coaster ride from the moon through the universe, our galaxy and our Solar System. This unforgettable high-speed adventure will immerse you in some of the most amazing sites in the universe.

North Carolina Standard Course of Study
— ESS.1.1; ESS.3.1

Solar System Tour

Grades 1-6

25-minute live lecture

Take the grand tour of our solar system, from the sun and planets to moons, dwarf planets, and more! Our Digital Dome educator will take you on a trip through space.

North Carolina Standard Course of Study
— ESS.1.1; ESS.3.1; PS.3.2; ESS.4.1; ESS.6.1; EEn.1.1

Universe

Grades 3+

25-minute movie program

A historical look at how we have envisioned the universe through the ages. We visit some of the ancient sites where our ancestors erected great structures with special astronomical significance. Finally, we look at the universe through the eyes of today's scientists and space explorers to experience a spectacular overview of the heavens. Telly Award finalist.

North Carolina Standard Course of Study
— ESS.3.1; ESS.6.1; EEn.1.1

Cross-curricular Program: Science & History

Carolina Skies

Grades 3+

25-minute live lecture

This live, interactive program explores the stars and constellations visible in North Carolina's night sky throughout the year.

North Carolina

Standard Course

of Study — ESS.3.1; ESS.4.1; ESS.6.1



Oasis in Space

Grades 4-12

25-minute movie program

Travel through the universe in search of one of the most important ingredients for life on Earth: liquid water.

North Carolina Standard Course of Study
— ESS.6.1; EEn.1.1; ESS.8.3.2

Expedition Reef

Grades 5+

25-minute movie program

Learn the secrets of the “rainforests of the sea” as you embark on an oceanic safari of the world's most vibrant — and endangered — marine ecosystems. Discover how corals support over 25% of all marine life on Earth — while facing unprecedented threats from climate change, habitat destruction, and overfishing.

North Carolina Standard Course of Study
— LS.5.2; LS.6.2; LS.8.2



Microcosm

Grades 5+

20-minute movie program

At the Center of Miniaturized Medicine in the year 2053, you'll shrink down to the size of a microbe and get injected into a patient who is suffering from a mysterious viral infection. As you piece together the clues found along the way, you'll race against time to save the patient on a wild ride through the body.

North Carolina Standard Course of Study
— Science LS.5.1; LS.7.1.4

All About the Cosmos

Grades 5+

25-minute live lecture

Explore the solar system, black holes, dark matter and energy as we journey through the cosmos in the Kaleideum Digital Dome.

North Carolina Standard Course of Study
— PS.5.2.1; ESS.6.1; 6.H.2.3

Mars: The Ultimate Voyage

Grades 6+

25-minute movie program

Take a journey to the Red Planet.

What does it take to make it to Mars?

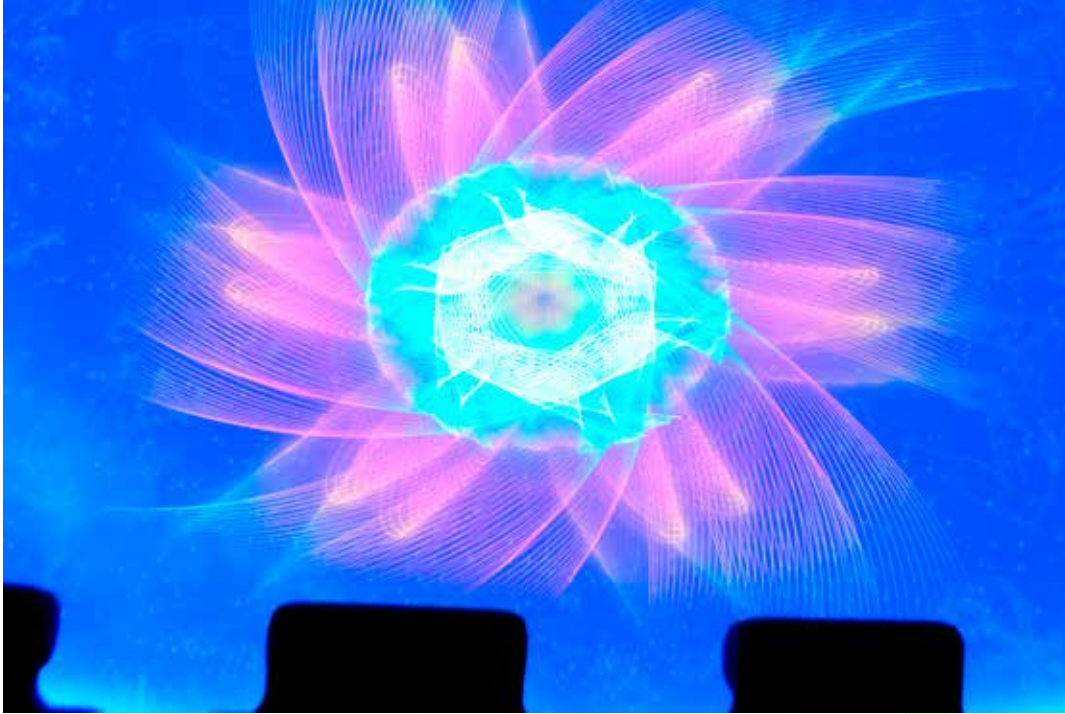
In this new production, we'll discover the many challenges astronauts will face and how creativity, communication, and collaboration are essential for deep space exploration.

North Carolina Standard Course of Study
— 5.P.1.3; 5.E.1.1; 5.E.1.2; 5.P.2.3; 6.E.1; 8.P.2.1



See page 12 for Digital Dome Laser Shows ➔

Lasers! Lasers! Lasers!



Experience an immersive adventure with Kaleideum's laser light system.

The Great Space Chase

All Ages

25-minute laser movie

"It's an Intergalactic, Virtual-Reality Accelerator Suit. And it's been stolen!" Join Lt. Photeus as he tracks the sinister Captain Xenon through our Solar System. *The Great Space Chase* is a detective mystery, which teaches audiences about our solar system and the universe beyond through laser animations. \$6 per person.

Laser Show

All Ages

14-minute laser show

A laser show can be booked for \$3 per person or added to another program for an additional \$2 per person.

- Jurassic Park
- Powerhouse
- Yellow Submarine
- Cotton Eyed Joe
- Ghostbusters



Laser programs are not recommended for those with epilepsy, flicker vertigo, or other motion or light sensitivities.



Kaleideum To You!

Book a STEMtastic Night at Your School!

Turn your school into a STEM playground for an evening! STEMtastic Night brings students, families, and educators together for a high-energy celebration of science, technology, engineering, and math. Led by 2–3 Kaleideum educators in partnership with your school’s teachers and volunteers, the event features up to seven hands-on STEM stations packed with exciting challenges, creative problem-solving, and interactive discoveries. Families can build, experiment, explore electricity and magnets, tackle engineering challenges, and uncover the science behind the world around them. It’s an unforgettable evening of learning, laughter, and hands-on fun that inspires curiosity long after the event ends. To book a STEMtastic Night, please email scheduling@kaleideum.org.

Cost: \$500/\$400 for Title 1 Schools. If outside of Forsyth County or greater than 35 miles roundtrip a \$1/mile travel fee will be added to the total cost.



Kaleideum To You! Preschool Edition

Program options for ages 2-5 years

Bring the wonder of Kaleideum right to your classroom! Our preschool outreach programs transform familiar learning spaces into places of discovery through playful, hands-on STEAM experiences designed just for young learners. Led by Kaleideum educators, each interactive program encourages children to explore, create, ask questions, and build confidence as they discover the world around them. Every lesson is thoughtfully aligned with the North Carolina Foundations for Early Learning and Development, supporting key developmental skills while nurturing curiosity, creativity, and a lifelong love of learning.

Cost: \$150. If outside of Forsyth County or greater than 35 miles roundtrip a \$1/mile travel fee will be added to the total cost.



Science & Stories: *A Turtle-y Fun Adventure*

A story comes to life in your classroom! Meet two of Kaleideum’s live turtle and tortoise ambassadors as students discover what makes these amazing reptiles alike — and what makes them different. Through stories, real-life facts, and hands-on observation, young learners will compare make-believe with nonfiction while uncovering fascinating turtle and tortoise adaptations. The adventure concludes with a fun turtle craft that students can take home as a reminder of their day of discovery.

North Carolina Foundations for Early Learning and Development — LDC-8-LDC-10; APL-1; APL-2; APL-5; APL-8
North Carolina Standard Course of Study — LS.K.1 & LS.K.2; ELA-RL.K.1; RL.K.3; RI.K.5; RI.K.7; RI.K.9

Shapes in Nature

Stories, shapes, and science come together in this playful classroom adventure! Meet two of Kaleideum’s live animal ambassadors as students discover the geometric shapes and patterns found throughout the natural world. Through an engaging storytime, hands-on exploration, and creative art activity, children will connect math, science, and literacy while creating their own geometric animal masterpiece to take home. It’s a colorful celebration of creativity, curiosity, and the amazing shapes that surround us every day.

North Carolina Foundations for Early Learning and Development — Foundations Alignment: APL-1, APL-2, LDC-2, LDC-3, LDC-7, LDC-8, LDC-9, CD-5, CD-11, CD-12, CD-14, CD-15, HPD-5.

Homeschool Programs

Homeschool Innovators: *Robotics and Engineering*

October 14, 2026, 9 am-3 pm

Get ready to design, build, and innovate! During this special Homeschool Day, students will explore the exciting worlds of robotics and engineering through hands-on challenges and interactive activities. Dive into the engineering design process as you construct simple machines, experiment with circuits, and explore how robots sense and move. Then, put your creativity to the test by programming robots to complete tasks and solve real-world problems.

Whether your learner is just beginning their engineering journey or already dreaming of a career in engineering, this day will spark curiosity, build problem-solving skills, and inspire future innovators.

Creeks, Critters & Clean Water: *Creek Week Homeschool Day*

March 17, 2027, 9 am-3 pm

Celebrate Forsyth Creek Week with a full day of hands-on water science at Kaleideum! Meet our resident axolotl and salamanders, investigate water quality using real scientific probes and sensors, explore the Wonders of Water exhibit, and discover the tiny macroinvertebrates that reveal the health of local streams. Design and test your own water filters, create aquatic habitats, and learn how scientists, engineers, and everyday citizens help protect our waterways. It's an engaging day of STEM, nature, and environmental stewardship designed especially for homeschool families.

Kaleideum's 2026-2027 Educators' Guide is supported by



**Collins
Aerospace**

**DAVID
MOUNTS GONZALES**
F O U N D A T I O N

Exhibits at Kaleideum



Students can also enjoy these exhibits at Kaleideum during their visit:

By Design

Construct a building, craft pottery, model furniture, code a dance routine, or design a tattoo. Dream about how you will leave your mark on our city, county, and beyond!

In Motion

Engineer a roller coaster, explore kinetic movement in motion capture labs, build a race car, or compete with your friend on a pulley chair. Get energized by learning about the physics behind the way things move.

Our Nature

Zoom in on bird feathers or reptile scales, explore time-lapse videos of natural processes, and pretend you're a wildlife veterinarian. Investigate the constant change and surprising connections among life on Earth.

Wonders of Water

Experience water in all its wonderful forms by controlling a waterfall, sculpting an ice block, and playing with light in a tunnel of fog. Color your own fish and make it swim in a digital aquarium, see live fish, and paint with water on a slate wall. The water is recycled and treated, so this is one place where it's OK to let the water flow!

Storytelling

Shop our marketplace, tell a tale with shadow puppets, invent sound effects, and practice the science of reading and phonetics with a letter-munching sea monster. Experience the transformative power of telling your own story as you are transported to new worlds.

Digital Dome Theater

Digital Dome seating is limited and is open only to groups that have registered for a program or laser show.

Travel through space, tour the human body, explore Earth's geography, experience a laser light show, or dive into an immersive movie. In this learning environment, you'll go places you never imagined and feel like you are actually there!

Rooftop Adventure

Climb the one-of-a-kind play structures and stand on the top of our city! A bridge makes this expansive experience accessible to all. Use the rooftop track as you take in the city's skyline. Spin on cocoon swings or travel down a slide. Rooftop Adventure delivers play and rejuvenation for children and adults alike.

NOTE: The fourth floor is reserved for families visiting the museum during peak field trip times.





120 West 3rd Street
Winston-Salem, NC 27101

kaleideum.org



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WHAT IS KIC?

Kaleideum Invention Convention seeks to inspire and empower the next generation of innovators by being a vibrant hub of creativity, collaboration, and hands-on learning experiences in science, technology, engineering and math.

CURRICULUM

Our K-12 Invention Convention curriculum and methods have been developed and put to the test by our educators for more than 30 years. Our curriculum follows a framework that uses the steps of the invention process. It enables students to understand invention as it takes place in the real world every day.

INDEPENDENT INVENTORS

Most K-12 students participate in Invention Convention program through their school or community organization. However, if none of these options are available, K-12 students in NC may participate as an Independent Inventor!



**Create your
next a-ha
moment!**