

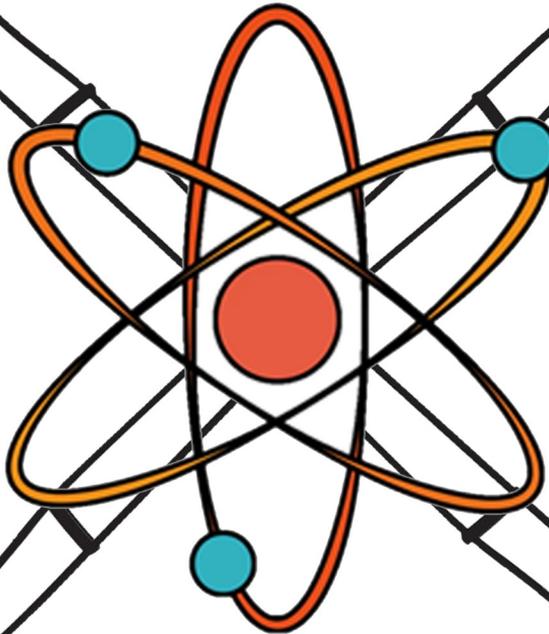
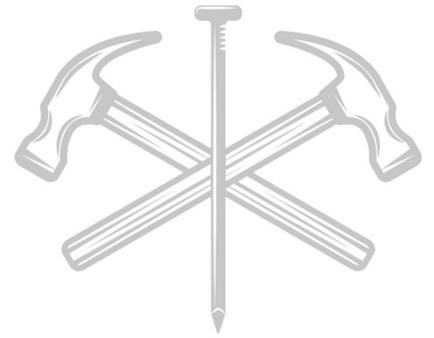
# KidSenses

CHILDREN'S INTERACTIVE MUSEUM



# The Factory!

A PLACE TO MEET AND MAKE



# Educator's Guide

# Our Philosophy

“Play is often talked about as if it were relief from serious learning. But for children, play is serious learning. Play is really the work of childhood.”

— Fred Rogers

KidSenses Children’s **INTERACTIVE** Museum and The FACTORY gives youths the freedom to make sense of their world through play and hands-on learning. Both facilities feature a combined total of over 20 exhibit spaces to captivate the imagination and educate the mind.

Our world-class STEAM program experiences complement classroom studies, make learning FUN, and ignite wonder in children of all ages.

All of our program experiences complement the NC and SC Standard Course of Study



# Our Facilities

## KidSenses



Ideal for children of crawling age to approximately age 10.

Programming available for Pre-K—8<sup>th</sup> grade.

## The FACTORY



**NEW FACILITY COMING SOON!**

Ideal for youths 10+.

Programming **NOW** available for K —12<sup>th</sup> grade.

# I want...



## Field Trips

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Chaperone Policy



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Program Types & Grade Level Key

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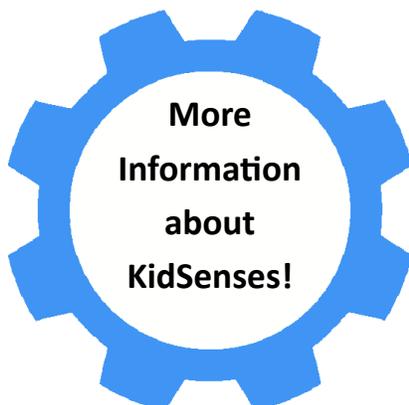
Assembly Programs

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# What is a Field Trip?

KidSenses Children’s Museum and The FACTORY offer field trips to a variety of community based organizations and educational institutions including schools, preschools, daycares, camps, libraries, and similar facilities.

A field trip group consists of **ten or more** children or students in addition to their chaperones. A field trip reservation must be made at least **two weeks** in advance.

**One adult chaperone is required for every five (5) students.**

Admission Type:	Student Rate:	Educator Rate:	Chaperone Rate:
Museum Admission*	\$5	FREE	\$4
Museum admission* + program	\$10	FREE	\$4
Museum admission* + tour or private exhibit experience	\$10	FREE	\$4

\* Museum admission is subject to sales and use tax. Programs and tours are \$5 per student and non-taxable. Bus and van driver admission is free.

## Ready to Book?

Call our Office Manager at (828) 286-2120 or email [reservations@kidsenses.org](mailto:reservations@kidsenses.org)

# Program Information

## KidSenses Children's Museum and The FACTORY offer two standard styles of programming:

**Assemblies:** Assembly style programs are highly visual and engaging demonstration-based Interactive presentations made to accommodate larger groups. Field trip fees are \$5 per child per program.

**Workshops:** These programs are small group, hands-on activities where all children get to participate in an experiment or activity. Field trip fees are \$5 per child per program. **Workshops are restricted to a maximum of 25 students per session.**

**KidSenses Children's Museum and The FACTORY  
programs are designed for a variety of grade and skill levels.  
Use the key below to find the best program for your group!**



Programs with a **black** gear are optimal for Pre-K aged students



Programs with a **red** gear are optimal for third through fifth grade students



Programs with a **yellow** gear are optimal for Kindergarten through second grade students



Programs with a **blue** gear are optimal for students 6th grade and up

**Don't see a program you're looking  
for? Ask about our special listings!**



# Assemblies



## **Blow It Up! | Length: 30 minutes | Outreach Cost: \$200**

Students will EXPLODE into learning with this highly flammable show! Detonate their minds while a live performance demonstrates chemical reactions!

## **The Human Dynamo | Length: 30 minutes | Outreach Cost: \$150**

Students will get an up-close and personal look inside of a giant Stuffee doll as we discover how our body works through exciting demonstrations. Students will even get to see real organs!

## **Rainforest Adventures | Length: 45 minutes | Outreach Unavailable**

Let's take a journey to the Tropical Rainforest! Students will learn about the diversity of plants, animals, and people native to the rainforest. Animal Ambassador visits included!

## **Science Shenanigans | Length: 45 minutes | Outreach Cost: \$250**

What is science? How can you find it? Your students will be in for the thrill of a lifetime as we conduct multiple science demonstrations that bring chemistry and physics alive!

## **Seasons of Science | Length: 45 minutes | Outreach Cost: \$250**

Let's discover the science of the four seasons! Together, we'll conduct multiple science demonstrations that illustrate traits of the 4 seasons. From the parts of a plant to subzero eruptions, this assembly has it all!

## **The SubZERO Effect | Length: 30 minutes | Outreach Cost: \$175**

Show your students that science can be cool—really cool! About 322 degrees below zero cool! Using liquid nitrogen, we'll shatter a ball, make an explosion, and examine the three states of matter!

## **Super Sonic Light Speed | Length: 30 minutes | Outreach Cost: \$150**

Your students go on a super-sonic adventure as we discover how light and sound work through several dazzling demonstrations!

## **WATT's Current? | Length: 30 minutes | Outreach Cost: \$200**

Your Students' hair will stand on end as we perform several shocking experiments using our Van de Graaff generator and tesla coils! We'll even make a giant circuit and create an electromagnet!

## **Spooky Science (SEASONAL) | Length: 30 minutes | Outreach Cost: \$250**

Get into the Halloween spirit with a series of mind blowing, spooky experiments! A KidSenses Mad Scientist will wow the audience with electrifying lightning, ghostly smoke rings, and puking pumpkins!



# Workshops



**3, 2, 1 Blastoff! | Length: 1 hour | Outreach Cost: \$200**  

Blast off into a good time! From propulsion and fuel systems to reentering the atmosphere, participants will explore how rocket launches work while building and launching their own rockets!

**Aeronautics | Length: 1 hour | Outreach Cost: \$200**  

Launch into learning while exploring the nature of things that fly! Through observation and hands on instruction, participants will design, test and compare their own flying vehicles.

**Art with Artie | Length: 30 minutes | Outreach Cost: \$125**   

Art, coding, and robotics all blend together in this exciting program! Students will learn to program an Artie Bot to draw a work of art to take home!

**Balancing Act | Length: 30 minutes | Outreach Cost: \$125**  

Students will work together to complete a series of force challenges designed to test their ability to balance time, team work, and communication. Are your students up to the challenge?

**Bot-Tastic Time: A Robotics Series | Length: 1 hour/session | Outreach Cost: \$250**  

Explore the wonderful world of robotics! Students will create, build, and program a series of robots. These exciting workshops are designed to stimulate critical thinking skills in a creative environment.

**Bouncing Bristles | Length: 30 minutes | Outreach Cost: \$200**   

Take your students on their first robotics journey, or bring a bit of fun for your more experienced students with this wiggly workshop. Students will learn to build a dancing bristle bot of their own!

**Bubble Science | Length: 30 minutes | Outreach Cost: \$125**  

Why do bubbles float and pop? Students will learn the answers to these questions while trying out different bubble blowers and attempting to make their own giant bubble!

**By the Power of Hydrogen | Length: 1 hour | \$200**  

What does “green energy” mean? Discover the answer to this question and more while working in groups to generate your own hydrogen and use it to power a small vehicle.

**CHOP Challenge | Length: 1 hour | Outreach Cost: Outreach Unavailable** 

Explore the fundamentals of hand tool use and product design with an exciting race against time! Students will design and build a product following a series of surprise tools, materials, and uses.

**Circuitry 101 | Length: 1 hour | Outreach Cost: \$250**   

Students will explore Makey-Makeys, tinker with motors, and participate in simple engineering design activities created to challenge and engage your students while fostering creativity!



# Workshops



## **Colorful Connections | Length: 30 minutes | Outreach Cost: \$125**

Students will explore primary, secondary, and tertiary colors while mixing their own using color wells! Students will also have a take home jelly surprise!

## **Diary of a Worm | Length: 30 minutes | Outreach Cost: \$125**

Discover the wonderful world of Doreen Cronin's "Diary of a Worm" in an exciting way! We will read the story, interact with REAL worms, and create a polymer worm to take home.

## **Egg-Citing Design | Length: 1 hour | Outreach Cost: \$200**

"CNC CAD design and production" sounds complicated, but we make it easy! Participants will create a personal logo that they will transcribe to a ping pong ball using EggBot CNC technology!

## **Fantastic Plants | Length: 30 minutes | Outreach Cost: \$150**

Why are plants green? What do they need to grow? Students will discover the power of nature by participating in plant dissections and terrarium creation!

## **Forces in Motion | Length: 30 minutes | Outreach Cost: \$125**

Be amazed as students construct mini gravity vehicles to discover the relationship between force, mass, and acceleration!

## **Light up the Dark | Length: 1 hour | Outreach Cost: \$200**

Explore the parts of a circuit and use authentic circuitry and robotics parts paired with at home objects to create a fully functional flashlight!

## **LEGO Liaison | Length: 30 minutes | Outreach Cost: \$125**

Teams must work together to build a structure while maintaining a secret role they must play. This workshop emphasizes patience, communication, critical thinking, and conflict resolution.

## **Let the Good Times Roll | Length: 30 minutes | Outreach Cost: \$125**

Marbles are the name, and team work is the game! Participants will work together to create a life size marble run while completing a series of challenges. *Part of The FACTORY soft-skills series*

## **Matter, Matter Everywhere | Length: 30 minutes | Outreach Cost: \$125**

Students will explore the characteristics and relationships between the three common states of matter through a series of hands-on experiments. They will even learn to create ooey, gooey slime!

## **Naturally ART-ificial | Length: 1 hour | Outreach Cost: \$250**

This dynamic program encourages creativity and critical thinking through the creation of a nature inspired robot! Students will gain an understanding of the engineering design process and circuitry.



# Workshops



## **Programmed to Doodle | Length: 1 hour | Outreach Cost: \$250**

Let your creative juices flow! Students will brainstorm, design, prototype and build their own Doodling robots! Using these new robots, students will create a robotic piece of art!

## **Solar Circuit Creepy Crawlies | Length: 30 minutes | Outreach Cost: \$200**

This workshop is perfect for robotics beginners with an interest in renewable energy! Students will decorate and assemble solar powered bugs to take home! *Part of The FACTORY soft-skills series*

## **Stack it up | Length: 30 minutes | Outreach Cost: \$125**

We take the cup stack challenge a step further in this extreme test of communication and team work. Can your team handle the challenge? *Part of The FACTORY soft-skills series*

## **STEMGyver | Length: 30 minutes | Outreach Cost: \$125**

Can your students invent their way out of a sticky situation? This workshop challenges students to overcome challenges with limited time and resources. *Part of The FACTORY soft-skills series*

## **Structurally Speaking | Length: 1 hour | Outreach Cost: \$200**

Have you ever wondered why structures are created using different designs and materials? Participants will explore structural engineering through a team-style tallest tower competition.

## **Tiny Dancers | Length: 30 minutes | Outreach Cost: \$125**

Let us turn the classroom into a STEM dance studio with this exciting workshop. Students will learn to create homopolar motors with a twist!!

## **The Voice of a Generation | Length: 1 hour | Outreach Cost: \$200**

Have you ever wondered how electricity is created? From hand crank generators to wind turbines and solar panels, electrical generation will no longer be a mystery after this workshop!

## **The Wacky Adventures of Rube | Length: TWO 1 hour sessions | COMING SOON**

Participants will explore the six simple machines as they build their own wacky, weird Rube Goldberg machines designed to perform simple tasks in the classroom.

## **Weather all Around us | Length: 30 minutes | Outreach Cost: \$150**

What is weather, and why does it happen? Students will explore these questions along with the water cycle, cloud formation, and more! Students will also learn how to create their own instant cloud in a bottle!

## **You Name it | Length: 30 minutes | Outreach Cost: \$200**

If you like it then you better put your name on it! This fun interactive workshop allows students to design, craft and light up their own LED name tags.

# Planetarium

Explore the many wonders of outer space inside the KidSenses' Portable Planetarium! This exciting inflatable environment provides a state of the art portable planetarium experience, and only requires a indoor 25 x 25 ft. space, 12 ft. ceiling clearance, and basic power access.

**OUTREACH ONLY**

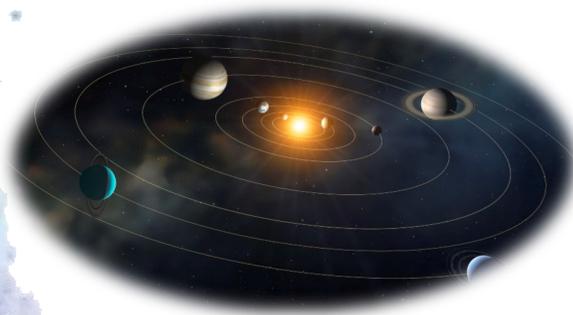
## Earth, Moon, and Sun! | Length: 45 Minutes

This planetarium show explores the relationship between Earth, Moon and Sun with the help of Coyote, an amusing character adapted from Native American oral traditions. Learn the basics of fusion and solar energy and why the Sun rises and sets. Examine the Moon's orbit, craters, phases and eclipses. You'll even take a look at past and future space travel to our Moon ... and beyond! Earth, Moon & Sun was produced by the UNC Morehead Planetarium and Science Center.



## Ring Around the Planets | Length: 45 Minutes

Join us as we travel at the speed of light through our solar system and learn all about the planets. We'll swing by several "Gas Giants" and "Rocky Midgets." We'll also explore the phases of the moon.



### Show Prices

One Show	\$150
Two Shows	\$225
Three Shows	\$300
Four Shows	\$375

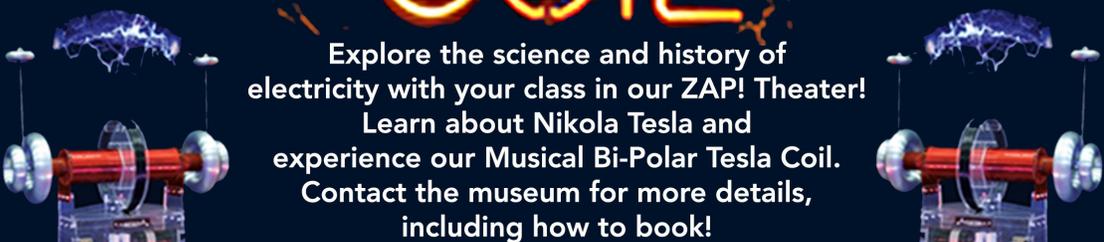
The planetarium can accommodate up to 25 people per presentation

# Private Exhibit Experiences

**Musical**

## TESLA COIL

Explore the science and history of electricity with your class in our ZAP! Theater! Learn about Nikola Tesla and experience our Musical Bi-Polar Tesla Coil. Contact the museum for more details, including how to book!

The image shows two Tesla coils, one on the left and one on the right, both producing bright purple sparks. The background is dark blue with orange lightning bolt patterns. The text is centered between the two coils.

## HealthWise



**Discover the science behind what you eat in the HealthWise Science Lab! Your class will put on their lab coats, goggles, and gloves as they step into HealthWise and conduct real science experiments! Contact the museum for more details!**

# General Information

## Chaperones

KidSenses requires adult chaperones with all student field trips. One adult chaperone is required for every five (5) students. **Chaperones and teachers must supervise students at all times.**

## NC and SC Educational Standards

All of our interactive program experiences are designed to complement the **North Carolina and South Carolina Essential Standards and CTE standards**. All standards encompassed by each program are listed in the Educator's Guide Appendix. Contact museum staff for more details.

## Field Trip and Outreach Reservations

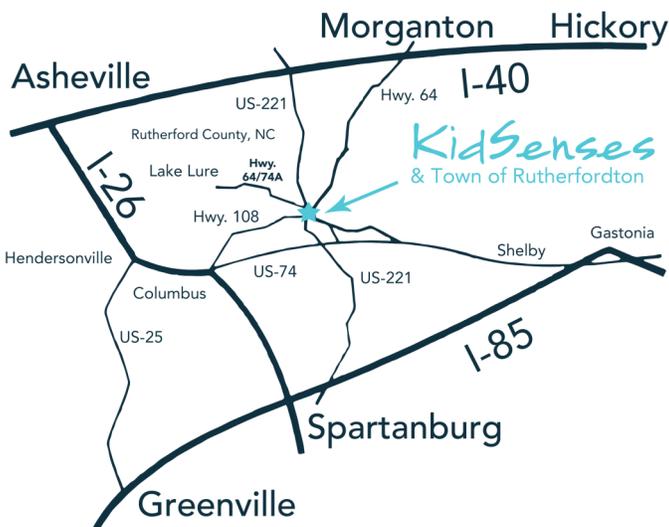
To book your visit, please contact the Office Manager at (828) 286-2120 or email [reservations@kidsenses.org](mailto:reservations@kidsenses.org). **Scheduling must take place at least two (2) weeks prior to your visit.**

## Gift Shop and Discovery Bags

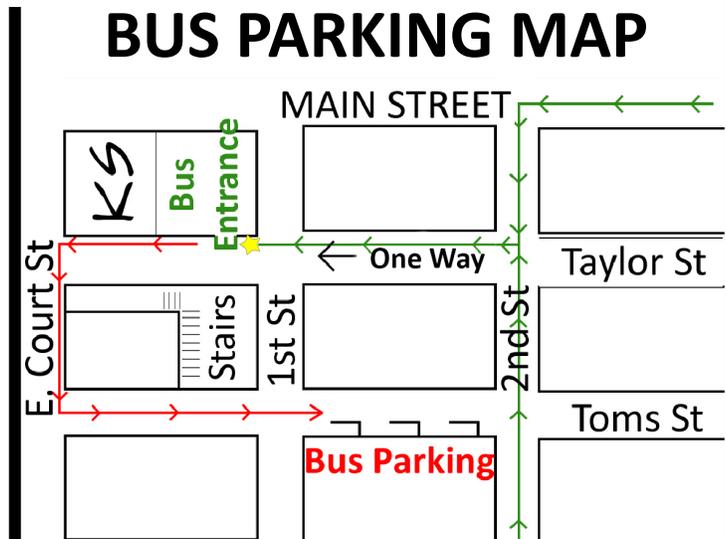
The museum Gift Shop offers a wide variety of cool merchandise for children of all ages. Each item is a carefully chosen motivator of learning, as well as a souvenir of your trip to KidSenses. **Want to skip the line?** When booking your reservation, ask us about pre-filled Discovery Bags

# Museum Location

**KidSenses Children's Museum is located at 172 N. Main Street in Rutherfordton, North Carolina.**



## BUS PARKING MAP



# Field Trip Planning Zone

**Feel free to use this area to plan your trip! Do you have any questions? What would you like to do first? How can we help to make this the Best Experience Ever for your group? Or, if you've already planned your trip, feel free to use this space as a brain break. Design and doodle as much as you'd like!**





Postage  
Stamp

**172 North Main Street  
Rutherfordton, North Carolina 28139**



**Reserve  
your spot  
today!**

