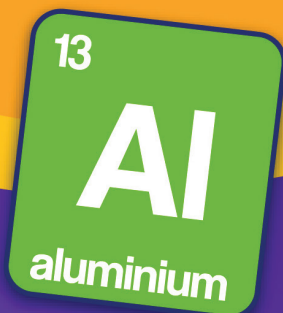
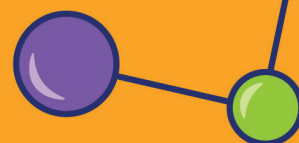
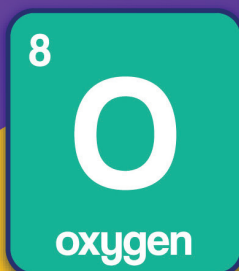


Homeschool Science Classes 2026-2027



Homeschool classes offer enriching science opportunities for preschool through high school learners in geology, biology, astronomy, chemistry, and more! Classes are designed to be hands-on as well as age and science content appropriate.



Located on the SALT Block
243 3rd Ave NE Hickory, NC
828.322.8169

Registration Information

Preschool - High School Classes

WHEN:

Pre-K – 8th Grade: Choose the Tuesday or Wednesday in the third week of each month

High School: Wednesdays in the third week of each month

CLASS TIME:

1:00 PM to 2:30 PM

CHECK-IN:

10 minutes prior to class time in the West Education Building lobby (adjacent to the main Arts and Science Center Building).

SIGN OUT:

To ensure student safety, sign out will occur at classroom doors for all grade levels in the West Education Building. **Exceptions can be made for older students with parental permission or for mobility limitations; contact Erin Graves for accommodations.*

COST:

Preschool – 8th Grade:

- CSC Members: \$20.50 per class + tax (\$164 + tax entire year)
- Non-members: \$30.50 per class + tax (\$244 + tax entire year)

High School:

- CSC Members: \$24.50 per class + tax
- Non-members: \$34.50 per class + tax

QUESTIONS:

Please contact **Erin Graves**,
CSC Director of Programs at
programs@catawbascience.org
or (828) 322-8169

Registration & Refunds

Payment and registration forms are required to reserve your child's space. Classes will be filled on a first-come, first-served basis. Please pick only **one day** (Tuesday or Wednesday) for your students to attend class. High School classes are only on Wednesdays.

If you need to cancel a registration, you must do so at least **two weeks prior** to the class date in order to receive a refund, minus an administrative fee of \$9. Classes cancelled within 2 weeks of class will not be refunded. Please note, CSC reserves the right to cancel a class and issue full refunds if the minimum enrollment is not met. If you sign up for the year, refunds will not be paid for missed programs, unless they are cancelled by CSC.

An optional payment plan will allow for installments to be paid throughout the year. At the time of registration, **\$40 per child** must be paid. Homeschool educators renew or purchase a membership for a discounted rate in person or online at www.CatawbaScience.org/Membership

REGISTER TODAY!

Scan the QR code or visit
CatawbaScience.org/Homeschool
to access our digital registration
form for Members & Non-members!



Itty Einstein Science Time

Ages 3-5
Thursdays 10-11 am

A series of engaging,
educational programs to
inspire young scientists.
Class schedule coming soon.

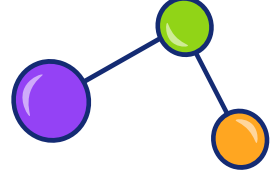


catawba
science
center

Homeschool Scholarships Available! 2026-2027

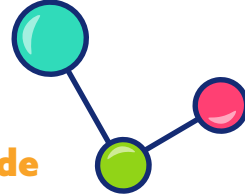
We invite families who reside in Alexander, Burke, Caldwell, Catawba, and Lincoln Counties AND receive WIC/SNAP/Medicaid benefits to apply for a scholarship to attend our Homeschool Classes.

Apply today online at
www.CatawbaScience.org/Scholarships-Discounts



Science Class Descriptions

All students must be able to use the restroom independently.



Pre-K - Kindergarten

September 15-16: Wonderful Water

Learn all about water, including all its phases. Explore the things that sink and float by building a boat. Meet some creatures that live in water.

October 20-21: Backyard Animals

What wildlife wanders in your backyard? Learn about these living things, meet NC's state reptile, and make an owl to take home!

November 17-18: Fossil Fun

Explore the world of dinosaurs through what they left behind. Go on a dino scavenger hunt and make your own fossil to take home. Visit CSC's *Dinosaurs!* exhibit in Carpenter Hall.

December 15-16: Energy Avenue

Experiment with batteries, electricity, magnets, and more. Make a magnetic game to take home.

January 19-20: Polar Pals

Learn about the animals that live in the Arctic and Antarctic. Discover how polar animals stay warm. Melt an iceberg and make some magical classroom snow.

February 16-17: Mix and Stir

All things gooey will be explored as we look at mixtures, solutions, and chemical reactions. Dress for a mess!

March 16-17: Ready for Rainbows?

Who or what is ROY G BIV and what's the connection to rainstorms? Discover that rainbows can be made with a little help from a prism.

April 20-21: African Safari

Go on a safari in the African savanna and meet the special animals that live there. Make your own savanna scene to take home!

May 18-19:

How Does Your Garden Grow?

Let's look at the science of gardening. We'll get our hands dirty as we learn about and explore the onsite Hickory Greenway Harvest's garden.



1st - 2nd Grade

September 15-16: Science Tool Time

Discover the world of tools around you, particularly those used by scientists. Learn how tools make our work easier and which ones we use every day.

October 20-21: Adaptation Sensation

Discover how dinosaurs adapted to become some of the animals we know today. Create your own dinosaur adaptations to help it survive! Watch *Dinosaurs: A Story of Survival* in the Millholland Planetarium.

November 17-18: Body Systems

Investigate body systems and listen to your heart. Learn about and explore the skeletal, muscular, circulatory, and digestive systems.

December 15-16: Let's Get Energized

Explore heat, sound, motion, and light to get at the basics of energy! Make glowing art to take home!

January 19-20: What Does It Matter?

Explore the various properties of the three states of matter. Create some slime using your new knowledge. Watch *Molecularium* in the Millholland Planetarium.

February 16-17: Balloon Science

Things that go up must come down. Explore gases, density, and flight – all with balloons.

March 16-17: Sink or Swim

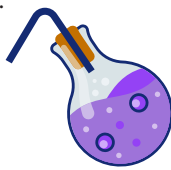
Do rocks ever float? Experiment with weight and buoyancy, create a liquid density column, and make a sink-or-swim discovery bottle to take home.

April 20-21: Pollinators Aren't Pests

Bees, bats, and butterflies all help our gardens grow. Learn about pollination by exploring the onsite Hickory Greenway Harvest's garden to see this wonder in action.

May 18-19: Awesome Animals

Become a zoologist as you examine different creature groups such as insects, echinoderms, and more. Meet several of CSC's live animals.



3rd - 4th Grade

September 15-16: Science Fair 101

Learn the steps of the scientific method, including experimental design and data collection, while testing the force necessary to crush columns.

October 20-21: Pumpkins Inside and Out

Are all pumpkins alike? Math and science combine to investigate both the inner and outer workings of this unique fruit!

November 17-18: Geology Rocks

Uncover the differences between rocks and minerals, learn about the rock cycle, and where fossils are found.

December 15-16: Engineering Experts

Become an engineering expert while making buildings out of blue foam blocks and other materials. Do you have what it takes to make the tallest tower?

January 19-20: Magnets and More

Investigate magnetic attractions and discover how magnets are related to electricity. This class will be electrifying!

February 16-17:

Exploring Earth, Moon, and Stars

Study the phases of the moon and create your own moon model. Explore the solar system and more in the Millholland Planetarium.

March 16-17: What in the World is That?

Learn about different types of land features and how they were formed. Look at volcanoes, canyons, valleys, rivers, oceans, and more.

April 20-21: First in Flight

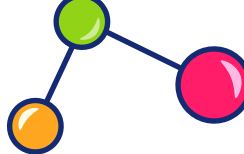
What makes an airplane fly? Discover how the airplanes of today use the same forces as Wilbur and Orville Wright's airplane of the past. Visit *Above and Beyond* in Carpenter Hall to put your new knowledge to the test.

May 18-19: Kooky Chemistry

Learn about physical and chemical changes as you mix, stir, and shake. Create some fun, gooey stuff using different types of chemical changes. Watch *Molecularium* in the Millholland Planetarium.

Science Class Descriptions

All students must be able to use the restroom independently.



5th - 6th Grade

September 15-16:

Intro to the Scientific Method

What makes the best slime? Test your hypothesis by learning about the scientific method and use it to make your own ooey, gooey, non-Newtonian fluid.

October 20-21: How Does It Survive?

Discover the difference between a producer, consumer, and decomposer. Investigate how they interact with the food web.

November 17-18:

Exotic Exosolar Planets

Board the spaceship in CSC's Millholland Planetarium to fly past the planets and away from the solar system. Watch *Extreme Planets* and learn about the unique worlds beyond the Sun.

December 15-16: Rockets of the Sea

Dissect a squid as you explore this amazing marine invertebrate inside and out. Additional specimen fee of \$3.75 required.

January 19-20: How Dense Is It?

What is density? Test different liquids and solids to discover their densities. Create a density column with your findings.

February 16-17: Zoo School

Work with our animal care specialists to investigate animal behavior and adaptations. Create an enrichment activity for our animal ambassadors.

March 16-17: Up, Up and Away

Experiment with air pressure, kites, and hot air balloons in this fun-filled class. Use your new knowledge while visiting *Above and Beyond* in Carpenter Hall.

April 20-21:

Rocks, Volcanoes, and More!

Investigate how different kinds of rocks are formed. Discover how the movement of Earth's plates makes volcanoes and other landforms. It will be a moving experience.

May 18-19: Neighborhood Watch

Investigate diverse forest and wetland ecosystems. Program held at Glenn Hilton Park. Participants MAY be driven in CSC vehicles with guardian permission.

7th - 8th Grade

September 15-16: The Living Cell

Investigate the structures inside a cell and learn how they function to keep the cell alive. Observe several microscopic organisms.

October 20-21: Forensic Science

Hone your detective skills as you learn the science of fingerprints, DNA analysis, and blood detection. Exercise your observation skills and power of deduction to solve a crime.

November 17-18: Pigeon Phun

Dissect a pigeon to study its anatomy and adaptations. Additional specimen fee of \$8.00 is required.

December 15-16:

Astronomical Adventures

What is a space vacuum? Why do we have black holes? Discuss and investigate different types of space phenomena. Explore these in the Millholland Planetarium.

January 19-20: Outbreak

Investigate pathogens of all kinds, including viruses and bacteria. Perform a simulated flu test to determine the proper treatment. Discover how an epidemic can spread in a community then beyond to become a pandemic.

February 16-17: Chemical Mysteries

Learn about chemistry! Explore what elements form many common substances, along with the properties of some elements and compounds.

March 16-17: The Science of Flight

Investigate the forces that allow an airplane to fly. Discover how drag, thrust, lift, and gravity combine in this popular form of travel. Visit *Above and Beyond* in Carpenter Hall to see these forces in action.

April 20-21: Weather Wonders and Mysteries Revealed

Review the factors that cause our weather and the tools to forecast it. Learn why weather can turn wild while making lightning, clouds, and tornadoes. Watch *Weather Wonders & Mysteries* in the Millholland Planetarium.

May 18-19: May the Force Be with You

Experiment with Newton's Three Laws of Motion relating force, mass, and acceleration by using hovercrafts, ping pong balls, and more.

High School Chemistry

September 16: It's Elementary

An introduction to chemistry, types of chemical reactions, lab safety, and equipment.

October 21:

Moles Are More Than "Critters"

Learn about the Law of Conservation of Mass and limiting reactants.

November 18:

The Puzzling Periodic Table

Study the relationship between elements within a group and elemental properties.

December 16: pH Basics

Investigate acid and base chemistry. Work with the pH scale, indicators, and acid-base titrations.

January 20: Anions and Cations

An introduction to electrolytes, oxidation/reduction reactions, and the field of electrochemistry.

February 17: It's a Gas

What is the Ideal Gas Law? Investigate the gaseous state of matter and the effects of temperature, pressure, and volume changes on gases.

March 17: Hot and Cold

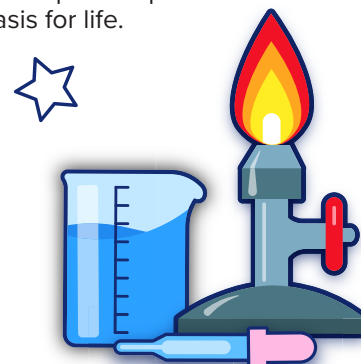
Investigate endothermic and exothermic reactions.

April 21: Quality vs. Quantity

An introduction to qualitative and quantitative analysis and identifying unknown compounds using various tests.

May 19: Organic Chemistry: The Chemistry of Life

Investigate the chemistry of carbon and its unique compounds that make it the basis for life.



Homeschool 2026-2027
OPEN HOUSE
 Wednesday, September 9th
 1:00pm to 2:00pm

Meet your child's teacher, see the classrooms, learn about the classes for this year, and get your questions answered.
 Join us after for a planetarium show.


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ABOVE AND BEYOND

LAUNCHING JANUARY 2027


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Homeschool Combo Classes of Art & Science Exploration!
Kindergarten – 2nd graders welcome!
4th Monday of the month from 1:00 to 3:00pm

 **\$30.00 + tax per class**
\$6.00 discount per class if enrolled in both homeschool programs. Classes can be taught in English & Spanish as needed.


 HickoryArt.org

The Catawba Science Center and Hickory Museum of Art are holding combination classes. Join CSC and HMA educators in both art and science exploration topics that include engineering, magnets, weather, animals, bubbles, rocks, and more!



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REACH FOR THE STARS
 WITH A
MEMBERSHIP!

MORE **DISCOUNTS**. MORE **ACCESS**. MORE **FUN!**

JOIN TODAY

