



**Can't make it out to see us at the Museum? We will come to see you at your place! Check out these exciting offsite programs. We have lots of options for you:**

- We can deliver to a single classroom or an entire school.
- We have programs for preschoolers, elementary school students as well as middle schoolers.
- We can adjust programs to be age-appropriate for your group's grade level.
- If you don't see something that works for your group, please contact the Outreach Coordinator at [outreach@aahom.org](mailto:outreach@aahom.org) or **734.995.5439**. We can customize a program to fit your needs.

### CUSTOM OUTREACH PROGRAMS

Call us and we will work together to deliver unique custom workshops that are full of fun and discovery. Past successes include:

- Newtonian Catch interactive, a fun combination of an amusement ride and a physics experiment. Add onto a Family Night for \$200.
- Additional activities for a Super Science Day
- Extra hours for a Family Science Night

You never know what's possible until you ask!

Contact the Outreach Coordinator at [outreach@aahom.org](mailto:outreach@aahom.org) or **734.995.5439** to find out more.

### NEW! 45-MIN AUDITORIUM PROGRAMS

Want something for everyone? Check out these auditorium presentations.

### ALL-SCHOOL CRIME LAB

Get your whole school involved in this customized Case of the Stolen Mascot. This program requires some preliminary collaboration and 5 volunteer "suspects" from your school. We'll bring out activities the week before and return as the Ann Arbor Hands-On Museum Forensic Department to revisit the evidence and help solve the crime.

**Cost** Call for pricing information

### TRY-THIS-AT-HOME AND OTHER DEMOS

We'll showcase interactive, try-this-at-home activities in an auditorium setting. We'll also bring along a few demonstrations involving dry ice and liquid nitrogen!

**Cost** \$400 plus mileage fee for the first presentation; \$200 for each additional same-day presentation

**Note** Maximum range of two grades per presentation

OUTREACH PROGRAM

## FAMILY SCIENCE FUN NIGHT

Invite the whole school to an evening of fantastic, science-based fun and see why this is our most popular program. You provide 20 volunteers and we'll fill 20 of your tables with creative, hands-on activities. Educators and families love this casual, self-directed evening of fun science activities.

**Cost** \$850 plus mileage fee for 20 activities

**Time** 2-hour program (extra hours available)

**Capacity** up to 500 participants

### YOUNG SCIENTIST AFTER-SCHOOL OR EVENING EVENT FOR PRESCHOOL FAMILIES

Get your preschoolers engaged in science. This collection of 15 activities is great for the youngest of scientists. Activities include measurement, animal adaptations, mixing colors, magnets and more.

**Cost** \$625 plus mileage fee for 15 activities

**Time** 2-hour program (extra hours available)

**Capacity** up to 300 participants

## NATURAL SCIENCE NIGHT: GRADES K-5

We bring ecology and biology together for a creative exploration of the natural world.

## FAMILY MATH NIGHT: GRADES K-5

Math, with a science twist. You won't believe how much fun it is—see math activities you have never seen before.

## PHYSICAL SCIENCE NIGHT: GRADES K-8

Chemistry and physics combine to give you a unique look into how the world works.

## VARIETY NIGHT: GRADES K-8

We offer you a wide range of science and math activities—a little bit of everything—physics, chemistry, biology, math, earth science! We even have a Variety Night for middle school audiences.

## MIDDLE SCHOOL MATH NIGHT: GRADES 6-8

Unique, higher level activities designed to challenge older students.

### BOOK AN OUTREACH PROGRAM!

Call *Outreach Reservations* at 734.995.5439.



## SUPER SCIENCE DAY

A fantastic way to integrate interactive science into your school day. We bring 10 hands-on activities—you supply 10 tables and 10 volunteers. Each participating student visits 10 stations of hands-on experiments that challenge and intrigue.

**Cost** \$425 plus mileage fee for 10 activities

**Time** 2-hour program (extra hours available)

**Capacity** 60 participants per hour

## YOUNG SCIENTIST CLUB: GRADES PRE-K

Activities include measurement, magnets, animal adaptations, mixing colors and more.

## SCIENCE VARIETY DAY: GRADES K-8

Includes activities from biology, ecology, physics, chemistry, math. We can customize this to fit your needs.

## SUPER MATH DAY: GRADES K-8

Math activities for elementary or middle school students.

## 90-MINUTE HANDS-ON WORKSHOPS

Enhance your classroom lesson or library programs with these dynamic, interactive sessions. These unique workshops are designed for a class of 30 students in grades 4–8 who enjoy interactivity and exploration!

**Cost** \$300 plus mileage fee for the first workshop

\$250 each additional same-day workshop

**Capacity** 30 participants per workshop

**Requests** One volunteer from your site

## NEW! EXTREME PHYSICS OF MOTION:® GRADES 4-8

60-minutes of Roller Coasters and 30-minutes with the Newtonian Catch. With Newtonian Catch, experience centripetal motion first hand.

Ⓢ *Extreme Physics of Motion workshop requires at least a 20' x 20' floor clearance.*

## CRIME LAB: \* GRADES 4-8

Students are immersed in the intriguing world of forensics as they work together to solve a mock crime. Examine evidence, confirm (or refute) your suspicions and ask **lots** of questions.

\* *Crime Lab workshop requires that participants be approximately the same age and/or reading level.*

## ROLLER COASTERS IN YOUR CLASSROOM: GRADES 4-8

Longer workshop designed for older students. Investigate the properties of physics by designing your own roller coaster. For more information, see the description for a 50-minute workshop.

## 50-MINUTE HANDS-ON WORKSHOPS

Enhance your classroom lesson or library program with these interactive sessions. These unique workshops are designed to inspire your students with eye-opening demonstrations and fun experiments.

**Cost** \$300 plus mileage fee for the first 2 workshops  
\$125 each additional same-day workshop

**Capacity** 30 participants per workshop, unless otherwise noted

### STAR LAB: \* GRADES 1-8

We bring our inflatable planetarium to your site. Gain a whole new perspective of the universe inside our planetarium.

### SPECIAL 30-MINUTE STAR LAB: \* GRADES PRE-K-K

This shorter workshop keeps younger students' attention, with half the time spent inside the dome and half outside doing related activities.

**Cost** \$300 plus mileage fee for the first 3 workshops

### STAR LAB REQUIREMENTS

We need a 25' x 25' floor space with a 12' ceiling clearance and a grounded outlet nearby. Capacity is about 25 students plus adults.

### NEW! BUBBLES ALL AROUND: GRADES K-5

Take a look at surface tension in this interactive, bubble adventure. Students will learn how to make and measure different bubbles.

**Note** This workshop is messy; please dress accordingly

**Requests** Large, flat tables; carpeted room preferred

### MAGNETISM: GRADE 1 OR GRADE 4

Use magnets to perform tasks and learn basic magnet vocabulary. Explore how magnets work and how we use them in our daily lives.

### HUMAN BODY: GRADES 2-3

Not a single machine ever designed can hold a candle up to the complexity and elegance of the human body. In this workshop, students will learn all about how this complex machine actually works.

### SOUND SCIENCE: GRADE 3

Explore the different properties of sound. Experiment with waves and vibration. How does sound travel through different substances? Test out your hypotheses!

### LIGHT AND OPTICS: GRADES 3-4

Shed a new light on science in this interactive workshop. Learn how to use the scientific method to explore what we know about the nature of light.

### PHYSICS OF LIGHT AND SOUND: GRADES 3-4

All we see and hear come together as one in this workshop. Discover the similarities between sound and light.

### THE WATER CYCLE: GRADES 3-4

Look beyond the four stages of the water cycle and get a first hand look at the many paths of a water molecule. Where does the rain come from and where does it go after it hits the ground? With activities and movement, students begin to answer many questions about water.

### A BUG'S EYE VIEW: GRADES 3-5

Experience the alien world of arthropods through this special, interactive workshop. Fun activities and lively demonstrations give students a first hand look at insects, arachnids and more with plenty to touch!

### SIMPLE MACHINES: GRADES 3-5

Learn the golden rule of "force for distance" by testing it yourself. Discover how simple machines reduce effort to make work easier.

### NEW! EGG DROP SOUP; GRADES 3-6

The classic egg drop experiment! Students are given "credits" to purchase materials to protect their egg from damage. Concepts range from gravity to economics.

### THE FOSSIL RECORD: GRADES 3-5

We'll take a look at actual fossils and find clues hidden within that will help us learn something about life millions of years ago. Students will get to invent their own prehistoric animals, follow along in the story of fossilization, and learn about our planet's various biologic and geologic processes.

### ROLLER COASTERS IN YOUR CLASSROOM: GRADES 3-6

You provide the floor space and we'll provide the excitement and learning. What better way to learn about the physics of energy, force and motion than through hands-on science? Experience these principles first hand as you build and modify your own roller coaster designs and then get to show off your discoveries to your classmates.

### CHEMISTRY: GRADES 4-5

Awaken the chemist in you. Students explore states of matter and what happens when you go between them. They'll learn the difference between a physical and a chemical change.

### CIRCUITS: GRADES 4-5

Introduces information on the principles of electricity and circuits. Test these principles by using interlocking components to build your own circuits.