



THE MUSEUM

A field trip to the Ann Arbor Hands-On Museum includes 250 interactive science, technology and math exhibits on 4 floors. Students of all ages enjoy the experience!

- A Preschool Gallery, designed for infants to four year-olds, includes water tables, science discovery boxes, a loft and a small fire engine.
- Physical science interactives explore how things work using pulleys, gears and ball bearings.
- The DTE Energy Foundation Light and Optics gallery features a stringless harp and explores colors, light and shadows.
- Our amazing human body is featured in exhibits on muscles, bones, the heart and brain. Climb into a real ambulance and listen in on conversations of an emergency response team as they save lives.
- Students can explore the science of sound with our Whisper Dishes, discover the difference between pitch and volume, make a bowl of water “sing” and play music by thumping on the Pipes of Pan.
- Students can encase themselves in a giant bubble and observe bubble’s fascinating properties using our bubble exhibits.
- The CTN Hands-On Studio includes a green screen and video mixer. Students can deliver TV news and see themselves on screen.

COST

Groups (20 or more) **must** register in advance to receive these rates.

- **Non-refundable deposit**
\$100 deposit is required 30 days prior to your group visit to guarantee your reservation. Balance due upon arrival.
- **Field Trip only**
\$5 per person (children & chaperones)
1 free teacher per 30 students during the school year.
- **50-minute ScienceWorks Lab**
\$3 per student.
- **30-minute use of a lunchroom**
A \$10 fee is required per school group.

FIELD TRIP INFORMATION

- We recommend a 2-hour visit in the Museum.
- Adding a ScienceWorks Lab or a lunch will increase the length of your visit.
- The Museum does not offer food services and has limited facilities for groups that bring lunches. Lunchrooms must be reserved in advance and book quickly!
- We request **1 adult chaperone** for every **6 children**.

BOOK YOUR FIELD TRIP!

Call *Field Trip Reservations* at 734.995.5439



PREPARE FOR YOUR VISIT

Visit www.aahom.org for:

- Pre- and post-visit materials.
- Suggestions for a successful field trip.
- Specific links of our programs to the 2007 Michigan Science Grade Level Content Expectations.

After you register, the Museum will:

- Confirm your reservation by sending out an information packet.
- Include information about bus drop-off and parking. *Please make sure your bus driver gets this information ahead of time.*

BOOK A SCIENCEWORKS LAB!

Call *Field Trip Reservations* at 734.995.5439



SCIENCEWORKS LABS

ScienceWorks Labs provide hands-on experiences with specific topics identified in the 2007 Michigan Science Grade Level Content Expectations. These labs provide fun, focused instruction for your class field trip.

Time 50 minutes

Cost \$3 per student (in addition to group admission rate)

Capacity 30 students per class (2 classes may be held at the same time for up to 60 students)

ALL ABOUT OUR SENSES: PRESCHOOL (AGES 3-5)

Explore the five senses. Can you taste a sound? Smell a color? Come play with us and explore sight, sound, smell, taste and touch.

SLIME TIME!: GRADES K-1

Investigate the states of matter by measuring and mixing ingredients for two types of slime. Is it a solid, a liquid or something in between? Use your senses to find out and get ready to get messy.

MARVELOUS MAGNETS: GRADES K-1

Learn about magnets as we sort materials into magnetic and non-magnetic groups. Explore whether all metals are magnetic, make magnets attract and repel, even get them to float in mid-air!

BRIGHT IDEA: GRADES 2-3

Explore light and optics as we learn how light travels, the difference between reflection and refraction. Discover what color light really is using flashlights, lenses, special glasses and more.

SIMPLE MACHINES: GRADES 2-3

Push and pull your way through an exploration of force and simple machines. We'll learn the golden rule of simple machines and explore how levers and inclined planes can make your work easier!

WATER CYCLE: GRADES 2-4

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 these and other questions about water.

MATH IN MOTION: GRADES 2-3 (LEVEL A) GRADES 4-5 (LEVEL B)

Make math fun and reinforce important skills. Practice place value, using simple coordinate systems and solving open equations while being a number in our math games.

SOUND SCIENCE: GRADES 3-4

Discover the energy in sound waves and make waves that travel through different states of matter. Listen for pitch, frequency and discover the amazing physics of sound.

THE FOUR R'S: RESOURCES, REDUCING, REUSING AND RECYCLING: GRADES 3-4

Dive into our landfill to learn about different ways to conserve our resources. Students engage in a series of activities to practice real-life ways to reduce, reuse and recycle.



NEW! PLANT DISSECTION: GRADES 3-4

Investigate the needs and parts of a plant by dissecting a real plant. Students uncover the hidden reasons behind plant structures. *Additional materials fee: \$30 per class.*

CIRCUIT MASTERS: GRADES 4-5

Students will be "wired" after this electrifying introduction to circuits. Explore the two types of circuits and the parts that make them work. Build a burglar alarm and more with our safe, interlocking electronic components.

THE UPS AND DOWNS OF ROLLER COASTER PHYSICS: GRADES 4-6

Students will experiment with momentum, kinetic and potential energy by building roller coasters in teams. Let the forces of physics take you for a ride!

CRIME LAB CAPER: GRADES 5-8

Someone has stolen our Bubble Capsule—the most popular exhibit in our Museum! Become Museum detectives and use forensic science and real lab techniques to analyze five pieces of evidence to crack the case.

COW EYE DISSECTIONS: GRADES 5-8

Investigate how the eye works by dissecting a real cow eye. Students connect the functions observed to the structures within the eye. *Additional materials fee: \$30 per class.*