

Learning Expedition Guide

July 2024 – June 2025

We are excited to help you plan your perfect school group experience at Adventure Science Center! See pricing and details on our current experience offerings below.

Field trip pricing

	Students	Teachers	Chaperones	Other adults
General admission (visit exhibits)	MNPS: Free 2024: \$7 2025: \$8	Free	One free with every 10 students (required)	\$20 (must pay within the school group reservation to access this rate. On-site tickets are available to purchase for \$22.)
Planetarium show		\$5		\$5 (Show tickets may only be purchased through the school, prior to arrival)
Science show		\$5		\$5 (Show tickets may only be purchased through the school, prior to arrival)
Guided lab activity	\$5	Free (must be in room)		Not permitted in room
Guided dissection	\$10	Free (must be in room)		Not permitted in room

Pricing details

School Group rates apply only to tax-exempt K-12 schools, preschools, year-round daycares, head start programs, and organized home schools.

- To qualify for the School Group rate, each school group must have 20 or more students and reserve tickets prior to their visit
- Other adult admission price applies to extra adult chaperones who are not included in the required 1:10 teacher/chaperone-to-student ratio. **These extra adult chaperones must pay within the school group reservation to access the school group rate.**

Field trip details

<p>Parking</p> <p>Parking for buses and chaperones is free, but we require an advance count of the number of buses you will be bringing.</p>	<p>Lunch</p> <p>Location</p> <p>Free: Covered picnic pavilion in the lower parking lot.</p> <p>\$75/30 min: Indoor lunchroom (advance reservation required).</p> <p>Food options</p> <p>Students may bring their lunch with them or pre-order box lunches from the Subway® restaurant located in the Skyline Café. We will provide indoor storage for food and drink at no additional charge.</p>	<p>Payment</p> <p><u>One single</u> payment for the total balance is due upon arrival via check (no refunds on overwritten checks) or credit card. We can also invoice your organization upon request. Your organization is responsible for collecting all payments in advance, including fees for additional adults not included in 1:10 chaperone/student ratio.</p>
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Program options

Purchase of general admission (access to the exhibits) is required for all field trips. But the best experiences come from adding on a special program, such as a planetarium show or a hands-on science lab.

Exhibits

Gallery	Topic	Standards
BodyQuest	Health science and the human body	2.LS1, 7.LS1
I2 Makerspace	Hands-on making and technology	K.PS1, 1.ETS2, 2.ETS2, 3.ETS2, 4.ETS2
Fossil Frontiers	Paleontology and geology (<i>Currently in progress</i>)	4.LS4, 5.LS4
Solar System Survey	Astronomy and planetary science	1.PS3, 1.ESS1, 2.ESS1, 2.ESS2, 3.ESS2, 4.ESS1, 5.ESS1, 6.ESS2, 8.ESS1, 8.ESS2
soundBox	Physics of music and sound	1.PS4, 2.PS4, 4.PS4, 8.PS4
Physics: The Foundation of Science	Physics and engineering	K.ETS1, K.ETS2, 1.PS4, 1.ETS1, 1.ETS2, 2.PS2, 2.PS3, 2.ETS1, 2.ETS2, 3.PS3, 3.ETS1, 3.ETS2, 4.PS3, 4.ETS1, 4.ETS2, 5.PS2,

		5.ETS1, 5.ETS2, 6.PS3, 6.ETS1, 8.PS2,
Wonders of the Universe	Astronomy and planetary science	1.PS4, 1.ESS1, 22.PS4, 2.ESS2, 4.PS4, 5.ESS1, 6.ESS2, 8.ESS1, 8.ESS2

Planetarium shows

Planetarium shows are a great way to provide an extra experience for groups of any size. The 63-foot diameter, state-of-the-art Sudekum Planetarium will transport your students to another world for an experience they won't soon forget!

Show time Options: 9:30 AM, 10:30 AM, and 12:30 PM

Show	Grades	Trailer	Topic	Standards
Nightwatch	3+	-	Night sky, constellations	ESS1 2.ESS1 4.ESS1 5.ESS1
To Worlds Beyond	3+	Trailer	Planets of the solar system	ESS.ESS1 3.ESS1 5.ESS1
Our Place in Space	K – 2	Trailer	Rotation, day and night, gravity, constellations and planets	ESS1 2.ESS1
Rusty Rocket's Last Blast	K – 3	Trailer	Planets of the solar system, rockets, distances in space	ESS1 ESS.ESS1 3.ESS1
Stars	3+	Trailer	Stars and their life cycles, electromagnetic spectrum	ESS1 ESS.ESS1 PSCI.PS4 5.ESS1 8.ESS1
Habitat Earth	6+	Trailer	Ecosystems and the food chain, biodiversity	ESS.ESS1 ESS.ESS2 ESS.ESS3, ECO.LS2 ECO.LS4 ECO.ESS3 ECO.ETS2 EVSC.LS2 EVSC.LS4 EVSC.ESS2 EVSC.ESS3 SCRE.ETS2 3.LS4 4.ESS2 4.ESS3 6.ESS3 8.LS4
Mars: The Ultimate Voyage	4+	Trailer	Mars, human spaceflight, STEM careers	ESS1 ESS.ESS1 ESS.ESS2

Wonderful Sky	Pre-K – 1		Observations of day and night sky	ESS1 K.ESS2
Astronaut	4+	<u>Trailer</u>	Human spaceflight, astronaut training, hazards in space	5.ETS2
Explore	7+	<u>Trailer</u>	History of astronomy, human spaceflight, engineering challenges, rocket physics	ESS.ESS1 4.ETS2 8.ESS1
Skywatchers of Africa	5+		Mythology, observations of the night sky	1.ESS1 2.ESS1

Science shows

Join our incredible science presenters for an in-your-face science experience! Our intimate Eureka Theatre ensures that every student has an amazing view as our team performs a series of eye-catching experiments that are sure to excite and inspire.

Show	Description	Grades	Topic	Standards
Digestion	Take a journey through the human body and learn how food is turned into energy in the digestive system.	2 – 7	Life Sciences	2.LS1.1 3.LS1.1 7.LS1.5
States of Matter	Solids, liquids, gases...oh my! Watch as our presenter changes the states of matter before your eyes using a super cool, cryogenic chemical, liquid nitrogen!	K – 5	Physical Sciences	K.PS1.2 1.PS3.1 3.PS1.1, 2, 3 3.PS3.1 5.PS1.2, 3
Chemistry	Chemicals are all around us, full of molecules that excite! Learn about physical and chemical reactions through colorful, bright, and exploding reactions.	5 – 12	Physical Sciences	5.PS1.4 7.PS1.1, 2, 3 CHEM1.PS1.4, 8
Space Exploration	3, 2, 1...blast off into space in this out of this world show. Learn about how astronauts train for missions, what life is like on the ISS, and the technology astronauts use to get back to earth safely.	K – 4	Earth and Space Sciences	K.ESS3.1 1.ESS1.2 2.ETS2.2 4.ETS2.3
Fire	Heat, fuel, oxygen...FIRE! Learn about the science of combustion reactions and how to practice fire safety in the lab and at home.	3-12	Physical Sciences	3.PS1.3 3.PS3.1 5.PS1.4 6.PS3.4 8.PS2.5

Hands-on labs & dissections

Deepen your students' experience with a guided, hands-on lab or dissection. One of our outstanding educators will lead the class through a small-group activity at tables.

Lab	Description	Grades	Topic	Standards
It's Electric!	Why do your lights turn on when you flip a switch, and how does your fridge know to turn on a light when you open it? Answer these questions and more as you tackle challenges that teach you the secrets of circuits.	2 – 6	Physical science	2.ETS2.2, 3.PS3.2, 4.PS3.3, 5.ETS1.3, 6.ETS1.2
Splitting Molecules	Channel your inner mad scientist as you use the power of electricity to split water molecules! Students will test various liquids to discover the best way to harvest hydrogen for an explosive finale.	K – 8	Physical science	K,1,2,3,4,5.ETS2.1, 4.PS3.3, 5.ETS1.2, 6.ETS1.2, 7.PS1.2
Amusement Park Physics	Get ready for a wild ride as we push Newton's laws to their limits with hands-on coaster challenges. Along the way, we'll demonstrate potential and kinetic energy, Newton's second law of motion, and more!	2 – 8	Physical Science	2.PS3.2, 2.ETS1.4, 3.PS3.1, 4.PS3, 5.PS2.1, 6.PS3, 8.PS2.4
Upload Your Code	Team mission: Write block-based or JavaScript code to program a small robot through a series of basic to complex obstacles. Students will code, test, observe, assess, and repeat as they work through the scientific process with their robot challenges.	3 – 5	Physical Science	3.ETS1.2, 3.ETS2.1, 4.ETS1.1, 5.ETS1, 5.ETS2.3
Primary Physical Forces	Harness the forces of gravity, magnetism, spring tension, and more as you push and pull your way through this lab's challenges!	K – 5	Physical Science	2.PS2.1, 2.PS2.2, 2.PS2.3, 3.PS2.1, 3.PS2.2, 3.PS2.3
Diggin' for Dinos	Become a paleontologist and dig up fossils; compare dinosaur features; and meet one of our ambassador animals to learn how dinosaurs were similar to today's animals!	Pre-K	Life Science	K.LS1.3
Little Engineers	Design it, build it, test it! In this lab, we'll explore what it means to be an engineer; create structures and test their integrity; and investigate robots and technology.	Pre-K	Physical Science	K.PS1.3
Squid Dissection	Squids offer budding biologists a great introduction to the dissection process! Discover the adaptations of a squid and write your name in squid ink as we learn about these aquatic animals. (2 students per squid).	2 – 7	Life Science	2.LS1.1, 3.LS1.1, 3.LS4.2, 7.LS1.5

Cow Eye Dissection	Do you see what I see? Students will visualize the wonders of their own eyes as they dissect a cow eye and discover the path light travels from the cornea to the brain. (2 students per cow eye).	3 – 12	Life Science	3.LS1.1, 3.LS1.1, 3.LS4.2, 6.LS2.7, 7.LS1.5
Shark Dissection	Did you know sharks have teeth in their skin? Students will discover this fact and more as they dive inside a shark during this dissection of our ocean's most iconic predator. (3 students per shark).	1 – 12	Life Science	2.LS1.1, 3.LS1.1, 3.LS1.1, 3.LS4.2, 6.LS2.7, 7.LS1.5
Fetal Pig Dissection	Did you know pig organs can be used in human surgery? In our most in-depth dissection, students will make comparisons between pig and human anatomy, and learn how an organ's structure relates to its function. (2 students per fetal pig).	7 – 12	Life Science	7.LS1.5, 7.LS1.6, BIO2.LS4
Alien Lights	Do aliens really exist, or are they just myths? Discover how scientists use light and gases in planet atmospheres to search for signs of life on other worlds.	3 – 8	Physical Science	3.PS1, 3.PS3, 5.PS1, 7.PS1