

Adventure Science Center Homeschool Field Trip Guide

2026 – 2027 School Year

We are excited to help you plan the perfect field trip to Adventure Science Center! Please see pricing and details on our current experience offerings below. We are also excited to offer **Homeschool Mondays**, a day we encourage homeschool groups to visit. Planning homeschool visits on Mondays helps us better accommodate the different types of groups in the building and allows our team to best support homeschool students and families during their visit. While homeschool groups are welcome any day of the week, Mondays are the recommended days for homeschool groups to plan their trip.

Questions? Email reservations@adventuresci.org

Ready to book? Fill out our [field trip request form](#) to get started.

Pricing and payment

One single payment for the total balance is due upon arrival via check or credit card, or may be made up to two weeks prior to your visit. We can also invoice your organization upon request. If paying by check on the day of your visit, please provide the most accurate headcount possible in advance. If paying by credit card (including over the phone), payment may be made up to two weeks prior to your visit at the earliest. Please note that we are unable to process refunds for payments made by check; however, refunds may be issued for payments made by credit card if needed.

	Students	Teachers & Chaperones	Additional Adults
General admission (visit exhibitions)	\$8	One free with every 10 students (required)	\$22
Planetarium show	\$5		\$7
Science show	\$5		
Hands-on lab	\$6	Free	
Hands-on dissection	\$10	Free	
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.			

Arrival

All students and adults should remain in their cars until all field trip attendees have arrived. Once everyone is present, please enter the Adventure Science Center together. This helps prevent crowding in the lobby and ensures we are able to assist schools arriving together by bus. Upon entering, the lead teacher will check in to finalize numbers and details and will receive maps of the center, highlighting where the group will meet after orientation and before departure, along with any additional information needed for the visit. A Learning Specialist will then bring your group into the Orientation Room to begin your visit.

Lunch

A covered outdoor picnic pavilion seating up to 180 guests is available free of charge in the lower parking lot on a first-come, first-served basis. Students may bring their own lunch or pre-order box lunches from our located in the STRATA Café. Please keep all lunches and coolers on the bus. The pavilion is available year-round, but we recommend planning a backup option in case of inclement weather.

Group size

To qualify for field trip pricing, your group must include at least 20 students.

Visit duration

Groups may explore the exhibitions for up to two hours—more than enough time to visit every gallery! If you add an additional program, such as a lab or planetarium show, that time does not count toward your two hours of exhibit exploration. Upon arrival, you will receive maps of the center highlighting where your class will meet after orientation and before departure; this meeting location will be within one of our exhibit areas.

Additional adults

For homeschool groups, we understand that parents are considered teachers. However, pricing and admissions are still based on the 1:10 student-to-teacher ratio. For example, if your group has 50 students, up to 5 parents/teachers will receive free admission and the \$5.00 add-on rate. Any additional adults will pay the general adult admission rate of \$22.00 and \$8.00 for add-ons.

All adults participating in add-ons must be included on the group invoice and paid together with the group by check or credit card. Adults not listed on the invoice will not be able to participate in add-ons.

Program options

Purchase of general admission (access to the exhibitions) 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.

Exhibitions

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	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
Tennessee Pollinators	Insects, ecosystems, and pollinators	
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

Scavenger Hunt

Our learning specialists have created a scavenger hunt that covers all our exhibitions. This is a great way for your class to engage more deeply with the center. You can find the links below. The scavenger hunt can also be sent via email upon request. It's a perfect option for classes visiting exhibits only, without add-ons. The hunt is divided by grade level: K–2, 3–5 and 6–8. Please note, you must print prior to arrival and bring on the day of your visit.

- [K-2nd Grade Scavenger Hunt.docx](#) / [KEY K-2nd Grade Scavenger Hunt.docx](#)
- [3rd - 5th Grade Scavenger Hunt.docx](#) / [KEY 3rd - 5th Grade Scavenger Hunt.docx](#)
- [6th - 8th Grade Scavenger Hunt.docx](#) / [KEY 6th - 8th Grade Scavenger Hunt.docx](#)

Planetarium shows

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!

Showtimes on Mondays & Thursday: 9:30 AM, 10:30 AM, 11:30 AM

Showtimes on Friday: 9:30 AM, 10:30 AM, 12:30 PM

Show	Description	Grades	Topic	Standards
Wonderful Sky <i>Presented live</i>	A live planetarium show introducing young explorers to the sky, day and night.	Pre-K – 1	Observations of day and night sky	K.ESS2, ESS1
The Stellars: Mission Green Trailer	Team up with alien explorers to discover what plants and animals need to survive on Earth.	Pre-K – 2	Ecosystem health	K.LS1, K.ESS3, K.ETS1, 1.PS3, 1.LS1, 1.SL2, 1.ETS1, 2.LS1, 2.LS2, 2.ESS1, 2.ETS2
Our Place in Space Trailer	Solve a simple crossword puzzle about space and the sky above us.	K – 2	Rotation, day and night, gravity, constellations and planets	K.ETS1, 1.ESS1, 1.ETS1, 2.PS2, 2.ESS1, 2.ETS1
Rusty Rocket's Last Blast Trailer	Join Rusty and a team of rocket rookies as they tour the solar system.	1 – 3	Planets of the solar system, rockets, distances in space	1.ETS1, 1.ETS2, 2.PS2, 2.PS3, 2.ETS2, 3.PS1, 3.PS3, 3.ESS1, 3.ETS2
Nightwatch <i>Presented live</i>	Explore the current night sky and discover how to find stars, constellations, and planets.	3 – 12	Night sky, constellations	2.ESS1, 4.ESS1, 5.ESS1, ESS1
To Worlds Beyond Trailer	Explore our solar system as you journey from the Sun to the planets and beyond.	3 – 12	Planets of the solar system	3.ESS1, 3.ETS2, 4.ESS1, 5.ESS1, 5.ETS2, ESS.ESS1
Habitat Earth Trailer	Explore the dynamic ecological relationships between species on our planet.	6 – 12	Ecosystems and the food chain, biodiversity	3.ETS2, 3.LS4, 4.ESS2, 4.ESS3, 4.LS2, 6.ESS3, 6.LS2, 6.LS4, 8.LS4, ESS.ESS1, ESS.ESS2, ESS.ESS3, ECO.LS2, ECO.LS4, ECO.ESS3, ECO.ETS2, EVSC.LS2, EVSC.LS4, EVSC.ESS2, EVSC.ESS3, SCRE.ETS2

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.

Science show content is scaled to the grade level of the class attending. A show marked as K–12 will feature different content for elementary, middle, and high school students. If your group includes a wide range of grades, our live science presenters will tailor the presentation to best match the primary grade level in attendance.

Showtimes: 10:15 AM, 11 AM, 11:45 AM

Show	Description	Grades	Topic	Standards
The Space Exploration Show	3, 2, 1...blast off into space in this out of this world show! Discover astronaut training, life aboard the ISS, and the technology that brings them home.	K – 4	Earth and Space Sciences	K.ESS3.1, 1.ESS1.2, 2.ETS2.2, 4.ETS2.3
The States of Matter Show	Solids, liquids, gases...oh my! See solids, liquids, and gases in action with a live liquid nitrogen demonstration.	K – 5	Physical Sciences	K.PS1.2, 1.PS3.1, 3.PS1.1-3, 3.PS3.1, 5.PS1.2-3
The Digestion Show	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
The Physics Show	What goes up must come down! Learn how forces shape our daily actions through magnetism, gravity, and Newton's laws of motion.	2 – 8	Physical Sciences	2.PS2.1, 3.PS2.1, 3.PS3.1, 4.PS3.2, 5.PS2.3, 8.PS2.5
The Fire Show	Heat, fuel, oxygen... FIRE! Discover the science of combustion and learn safe fire practices at home and in the lab.	3 – 12	Physical Sciences	3.PS1.3, 3.PS3.1, 5.PS1.4, 6.PS3.4, 8.PS2.5
The Chemistry Show	Chemicals are all around us, full of molecules that excite! Discover physical and chemical reactions with bright, colorful, and exploding experiments.	5 – 12	Physical Sciences	5.PS1.4, 7.PS1.1-3, CHEM1.PS1.4, 8

Hands-on labs

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 and dissection content is scaled to the grade level of your class. A lab marked K–12 will feature different content depending on whether the group is elementary, middle, or high school students. If you are bringing a wide range of ages and would like to split students into different dissections, that is possible; however, each lab group must have at least 15 students and cannot be smaller than that.

Lab	Description	Grades	Topic	Standards
Light & Spectroscopy	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.	K – 2 3 – 5 6 – 8 9 – 12	Physical Science, Space Science	K.PS1.1, K.LS1.1, K.ESS3.1, 1.PS4.2, 1.ESS1.2, 2.PS4.2, 3.PS1, 3.PS3.2, 3.ESS1.1, 4.PS4.2, 5.PS1, 7.PS1, CHEM1.PS4, CHEM2.PS4 PSCI.PS4, PHYS.PS4
Underwater Robotics	Dive beneath the waves as we learn about remotely operated vehicles (ROVs). Students will have the chance to operate an ROV while learning about the different components of these important underwater robots.	K – 2 3 – 5 6 – 8 9 – 12	Physical science, Engineering Design	K.PS1.3, 2.PS2.2, 2.ETS2, 3.ETS1, 4.ETS2.1, 5.PS2.1, 5.ETS2.2, 6.ESS3.2, 8.PS2, ESS.ESS3, PSCI.PS3, PWC.PS2
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!	1 – 2 3 – 5 6 – 8	Physical Science	1.ETS1.1, 2.PS2.2, 2.PS3.2, 2.ETS1.4, 3.PS3.1, 4.PS3, 5.PS2.1, 6.PS3.2, 8.PS2.4
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.	2 – 3 4 – 5 6 – 8	Physical science, Engineering Design	3.PS1.1, 3.PS3.2, 4.PS3.3, 5.PS1.4, 5.ETS1.2, 6.PS3.1, 6.ETS1.2, 7.PS1.2

Hands-on dissections

Dissection	Description	Grades	Topic	Standards
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).	K – 2 3 – 5 6 – 8	Life Science	K.LS1.1, K.LS3.1, 2.LS1.1, 2.LS2.1, 3.LS1.1, 3.LS4.2, 5.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).	5 – 8 9 –12	Life Science	5.LS1.1, 5.LS4.2, 6.LS2.7, 7.LS1.5, BIO2.LS4, ECO.LS2 EVSC.LS2
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).	8 –12	Life Science	BIO2.LS4, HAP.LS1