

EXPLORE THE PERFECT LANDING FOR AN EDUCATIONAL OUTING!

Contact us to design the perfect field trip!

At Carnegie Science Center, we align with your curriculum. In addition to the **200+ interactive exhibits** included in general group admission, we offer a wide variety of experiences that make for an unforgettable field trip!

Additional Experiences:

- Blast off on an **out-of-this-world adventure** in the Buhl Planetarium! The whole universe is your classroom when you book a 30-minute planetarium show.
- Enhance your experience with an **educational movie or documentary** on a 70-by-38-foot Certified Giant Screen with Dolby Atmos surround sound. The Rangos Giant Cinema is Pittsburgh's most immersive theater.
- Wow your students with a **30-minute live demonstration show!** Interactive programs dive into explosive reactions, cooking demonstrations, biology explorations, and more.
- Join the **maker movement** with workshops in BNY Mellon Fab Lab Carnegie Science Center.

Opening November 19, 2022:



An exciting field trip opportunity packed with lessons in science, space, botany, manufacturing, sustainability, and more!

The 7,400 square-foot exhibition gallery and its supporting educational programs will take students on a journey to Mars where they will address the

issues of sustainability, climate change, social justice, and equitable access to resources. They will discover that what we are learning from space exploration will shape and has shaped humanity's future on Earth. Students will see the vast career opportunities in space research and the role many Pittsburgh organizations are playing to advance it.

VIRTUAL PROGRAMS, BOOK ON YOUR SCHEDULE



GRADES 3-12 Exhibit Explorations

Virtual Field Trips
\$200 per virtual program; \$50 for each additional teacher log in

Take a deep dive into your favorite Science Center exhibits with eight themed experiences tailored to your students' grade level. With engaging demonstrations, exhibit tours, and live instruction from our team of science educators, each virtual field-trip experience is packed with exciting and educational STEM lessons found in every Science Center program.

- Space and Subs: Exploring the Sky and Sea**
- Ace of Base(ball)**
- Rusty Business**
- River Ecology**
- Submarines**
- Animals and Aquaria**
- Space and Astronomy**
- Health and The Human Body**

GRADES 3-12 Virtual Maker Workshops

\$150 per classroom of up to 10 students

Virtual workshops in BNY Mellon Fab Lab Carnegie Science Center invite students to innovate, interact, and invent using Tinkercad, an online 3D design software accessible from any web browser. Each 90-minute workshop can accommodate up to 10 students.

Learn more at CarnegieScienceCenter.org/VirtualFabLab



GRADES K-8 Virtual Assembly Programs

\$350 for the first program; \$295 for any repeat programs

Stream live presentations of our high-energy assembly programs directly to your school! Each 45-minute assembly program is tailored to the audience's learning level and can accommodate up to 250 students per presentation.

GRADES K-8 Virtual STEM-by-the-Hour Classroom Programs

\$125 for each program

Expand on important themes in your curriculum right in the classroom. Each program accommodates up to 30 students and can be adapted to fit a 45-minute class period

Visit CarnegieScienceCenter.org/SOR to learn more about the programs above.

SCHOLARSHIP FUNDING

Field trip scholarships are available for qualifying schools on a first-come, first-served basis. To see if your school qualifies for scholarship funding, please call us at **412.237.3400** or email CustomerService@CarnegieScienceCenter.org.



VIRTUAL PROGRAMS AND SCHOLARSHIP INFORMATION

CARNEGIE SCIENCE CENTER

One Allegheny Ave. | Pittsburgh, PA 15212

Non-profit Org.
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Permit #788

Courtesy of HIGHMARK

SAVE THE DATE!
**EDUCATOR PREVIEW
MARS: THE NEXT
GIANT LEAP**

Tues., December 13, 2022

Stay tuned for information on our exciting new exhibit gallery and space-related content for this educators-only evening full of behind-the-scenes space exploration, science demos, and fun!

CarnegieScienceCenter.org/fieldtrips



CarnegieSciCtr



CarnegieScienceCenter



AT YOUR SCHOOL

STEM EVENTS AND COMPETITIONS

AT CARNEGIE SCIENCE CENTER

2022-2023



FIELD TRIPS and STEM EDUCATION Programs

K-12

- Out-of-this-world field trips**
- Outreach programs**
- Virtual STEM opportunities**

CARNEGIE SCIENCE CENTER



"I learned that I am capable of more than I give myself credit for and that I should trust myself with the decisions that I make."

– High School STEM Education Program Participant

By supporting what you are teaching, Carnegie Science Center's curriculum-aligned programming encourages students to let curiosity drive them, think critically, use teamwork, and creatively express their ideas.

No matter what learning looks like for your students or group this year, we are here to support you in making science FUN and accessible for grades Pre-K–12 – whether it is at the Science Center, at your school, or online.

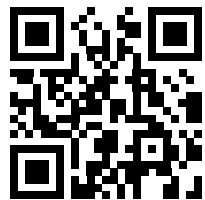
Read on to:

- Discover new in-person field trip opportunities
- Explore ways to bring us to your school with various outreach programs
- Check out our interactive virtual programs to engage students of all ages

PRICING AND REGISTRATION

Field trip pricing starts at \$8 per person for groups of 15 or more who book at least two weeks in advance. Live Demonstration Theaters, Buhl Planetarium, Fab Lab Workshops, The Rangos Giant Cinema, STEM Adventures, and touring exhibitions can be added to your field trip for an additional fee.

To register, call **412.237.3400**. Our team is available Monday–Friday, 9 am–5 pm.



Scan the QR code to learn more or visit CarnegieScienceCenter.org/FieldTrips.

Center for STEM Education and Career Development Founding Partners:

Bayer, Chevron, FedEx, Duquesne Light Company, Eaton, Kennametal Foundation, NOVA Chemicals, PPG Foundation

AT YOUR SCHOOL — Bring the Science Center to you!

SCIENCE ON THE ROAD

GRADES K–8 Assembly Programs

\$475 for the first program; \$225 for any repeat programs

Wow your students with a head-scratching, mind-blowing assembly program! Loaded with content that is packed into an amazing large-scale production, each 45-minute assembly program is tailored to the audience's learning level and can accommodate up to 250 students per presentation.

- Science of Hockey:** Take a ragtag team of hockey players all the way to the playoffs by learning about physics, geometry, and physiology. *Produced in partnership with PPG and Pittsburgh Penguins Foundation.*
- Who Wants to Be an Engineer:** Try your hand at being an engineer with game show-inspired engineering challenges! *Produced in partnership with Arconic Foundation.*
- Chem-Mystery Files:** Hunt for clues in a burning mystery and see how evidence "reacts" to scientific tests.
- Wild By Design:** Go on a bio-inspired adventure with leaf-blowers, foamy chemistry, and liquid nitrogen rockets. *Produced in partnership with PPG and special thanks to Pittsburgh Zoo & PPG Aquarium.*

GRADES K–5 STEM-by-the-Hour Classroom Programs

\$125 for each program

Expand on important themes in your curriculum right in the classroom! Each program accommodates up to 30 students and can be adapted to fit a 45-minute class period. Supplies are provided for in-class activities to keep.

- GRADES K–3 Build It, Break It:** Create sculptures, build arches, and assemble other unique structures and then explore the science of destruction.
- GRADES K–4 Dinosaur Discovery:** Become a paleontologist to reveal more about these Mesozoic marvels in this interactive investigation.
- GRADES 1–5 Creature Constellations:** Discover why constellations look the way they do and the stories behind them.
- GRADES 2–5 Engineering Challenges:** Test your engineering skills through different design challenges.



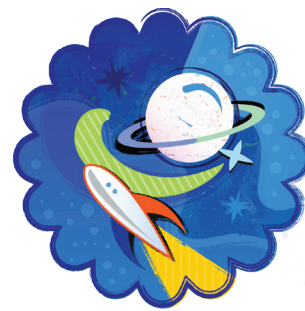
AT YOUR SCHOOL — Travel to you experiences!*

*Travel charges may apply.

GRADES K–12 Portable Planetarium

\$240 includes set-up and two presentations; \$120 for each additional presentation

- Up to 30 students per presentation
- Requirements:** 13' ceiling height, 20' x 20' floor space, and electrical access to 120 V. outlet.



Available programs:

- GRADES K–2** Moving Right Along • What's Up
- GRADES 2–6** Planets
- GRADES 3–6** Moons of the Solar System
- GRADES 6–8** Solstice and Equinox • World in Motion
- GRADES 7–12** The Sun • Jupiter and the Galilean Moons
- GRADES 9–12** Hubble Space Telescope

BNY MELLON MOBILE FAB LAB

GRADES 3–12 Maker Workshops and Engineering Challenges

Price varies based on workshop



BNY Mellon Mobile Fab Lab brings in-depth digital fabrication to your school. Using 3D printers, laser and vinyl cutters, CNC routers, and more, students

experience the STEM-based maker movement, taking their designs from computer screens to robotic machines in this mobile makerspace.

- Project Workshops:** Students learn how the computer-controlled machines work while fabricating their unique projects. *90+ minute workshops, up to 16 students.*
- Engineering Challenges:** Students work in teams to design, prototype, and test projects. *Two+ hour workshops, up to 30 students.*
- Flagship Programs:** Work with the Fab Lab team to develop a multi-day, multi-machine project idea that has an impact beyond the classroom. *Time and group size vary.*

Learn more at CarnegieScienceCenter.org/MobileFabLab.

AT CARNEGIE SCIENCE CENTER

Students learn through co-creation, skill exploration, and active participation in real-world problem solving!

GRADES 6–12 SciTech Day

One Friday per month, Oct.–May
\$12 per person per SciTech Day

Engage in cutting-edge workshops, demonstrations, career conversations, and activities that explores a new theme every month!

2022

- October 21:** Music & Art
- November 18:** Space & Astronomy
- December 16:** Physical Sciences (Chemistry & Physics)

2023

- January 20:** Weather & Climate
- February 17:** Animals & Wildlife
- March 17:** Computer Sciences & Mathematics
- April 21:** Earth and Environment
- May 19:** Health & Fitness

Major Sponsor:



GRADES 1–8

STEM Adventure

\$12 per student (includes general admission field trip experience)

Choose your mission, tailored to your grade level! Enhance a school field trip by adding on a STEM Adventure. Students can embark on a themed learning opportunity which includes hands-on, minds-on activities customized to grade levels.

GRADES 1–5

STEM Adventure: Jr. Scholars

Students will explore deep space, erosion and run off, and more! **Available themes:**

- Ready To Rocket
- Go With the Flow
- Sustainable Stories

Major Sponsor:



Stay tuned for new themes in January 2023!

NEW ON-SITE COMPETITION EXPERIENCES

Perfect for cohorts and classrooms!

SciYinz Squad Competitions

\$100 per school, per competition

Dream it, design it, build it, make it better!

Students will enjoy fun, impromptu challenges that encourage teamwork and creativity, all while addressing basic scientific principles and concepts that are regularly encountered across a wide array of STEM fields. All materials are provided on site.

Upcoming Events

GRADES 6–8 SciYinz Squad: Chain Reaction
Thurs., December 8, 2022

GRADES 9–12 SciYinz Squad: Chain Reaction
Fri., December 9, 2022

Students will design, build, test, and showcase contraptions without the burden of advanced prep work. Organized into teams of 4-6, students will work together to build a device to complete a predetermined task – all while using recycled materials. Student choice awards are available for grabs!

GRADES 9–12 SciYinz Squad: Unified Hackathon
Sat., January 28, 2023

Students will dig into collaboration to complete a specific project within a designated period of time. Students with and without intellectual and developmental delays are invited to take part in the one-day hackathon event!

Register: Email SciYinzSquad@CarnegieScienceCenter.org

GRADES 6–12 Pittsburgh Regional Science & Engineering Fair
Tues.–Wed., March 28–29, 2023

A Pittsburgh tradition since 1940, students across the region are invited to research, design, and present an original experiment while competing for cash prizes and scholarships. Top high school students are eligible to compete at the Regeneron International Science and Engineering Fair (ISEF), and top middle school students are nominated for Broadcom MASTERS®, a program of Society for Science and the Public.

Questions? Email PRSEF@CarnegieScienceCenter.org

STEM EVENTS, COMPETITIONS, AND MORE