

CARNEGIE SCIENCE CENTER

# explore!

**FEB**  
2023  
TO  
**MAY**  
2023



***NEW Exhibition sailing into Pittsburgh!***

*Plus, see rocks from the Moon and Mars. Engage in Summer Camps,  
hands-on workshops, 21+ Nights, and more!*

**CARNEGIE  SCIENCE CENTER**

ONE OF THE FOUR CARNEGIE MUSEUMS OF PITTSBURGH

# CARNEGIE SCIENCE CENTER

## General Admission Winter Hours:

Wednesday–Monday: 10 am–5 pm;

Tuesdays: Closed

Open daily after Memorial Day

412.237.3400 • [CarnegieScienceCenter.org](http://CarnegieScienceCenter.org)

### **SPECIAL HOURS and CLOSURES**

- Closed Wednesday, March 29 for Pittsburgh Regional Science & Engineering Fair
- USS Requin (SS 481) submarine is closed for winter maintenance. It will reopen on Saturday, March 11. Check out the USS Requin Gateway on the Ground Floor to see a Navy torpedo and more!
- The Miniature Railroad & Village® is closed for seasonal maintenance. It will reopen on Saturday, March 11.
- Closed Saturday, April 29 for Acrisure Stadium event.
- Open at noon on Sunday, May 7 due to the Pittsburgh Marathon.

### **ACCESSIBILITY: FEATURES FOR ALL**

We work to assist visitors with disabilities to obtain reasonable and appropriate accommodations and in support of equal access to services.

### **Special Accommodations:**

To request a special accommodation, please call 412.237.3400 or email [Info@CarnegieScienceCenter.org](mailto:Info@CarnegieScienceCenter.org) at least two weeks in advance. Non-motorized wheelchairs and portable stools are available to use at no cost, on a first-come, first-served, basis. Motorized scooters are available for \$25 per day, no reservations.

### **PURCHASE TICKETS ONLINE**

We strongly encourage you to purchase your tickets in advance at [CarnegieScienceCenter.org](http://CarnegieScienceCenter.org) to ensure availability. Add your Membership number at checkout. There are no online service fees.



### **GROUP DISCOUNTS**

Groups of 15 or more receive discounted admission – you do not have to be a school or corporation – bring your whole family to visit one of the many new exhibitions geared toward every age group. **Space is limited and reservations must be made two weeks in advance and paid in one payment.** For more information or to make your reservation, call 412.237.3400. Memberships do not apply to group visits.



### **REFUND AND SAFETY POLICY**

All sales are final for programs and classes. Based on current best practices, we require masks for program participants and program staff when the Allegheny County COVID-19 Community Level designation is at the red/high mark.



[CarnegieScienceCenter](https://www.facebook.com/CarnegieScienceCenter)



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[@carnegie\\_science\\_center](https://www.tiktok.com/@carnegie_science_center)



# VIKINGS

WARRIORS OF THE NORTH SEA



*Explore more than 140 authentic Viking artifacts, including a full-size replica of a Viking ship!*

Vikings were more than pillagers, they were traders, settlers, explorers, and highly qualified craftsmen and engineers. This limited-time exhibition is a separate ticket price.

## **OPENS SATURDAY, FEB. 11**

- Learn about Viking trade and currency and their thriving economy
- Hold a Viking sword and imagine yourself as a warrior
- Design a ship and learn why they were expert sailors
- Dress up as a Norsemen and discover a Viking society



**IN PITTSBURGH FOR A LIMITED TIME!**

Displayed in

**PPG Science Pavilion**

*This exhibition has been produced in partnership by The National Museum of Denmark, MuseumsPartner in Austria, and Pointe-à-Callière, Montréal Archaeology and History Complex of Québec, with the collaboration of Ubisoft Montréal.*



Play, Learn, and

# MAKE LASTING MEMORIES



## **BNY MELLON FAB LAB 101 WORKSHOPS**

**Fridays, Feb. 3–May 5 • 5–6:30 pm, Free FLOW 6:30–9 pm**  
\$25 Members/\$30 Nonmembers — Advance registration required

Create your own designs and take them from computer screen to digital fabrication machine. After each workshop, the Fab Lab is open for Free Fab Lab Open Workshops (FLOW). Makers work on projects using rapid prototyping technologies. Completion of level 101 introductory workshops are required before using Fab Lab's machines at Free FLOW. Guests ages 8 years or over can enroll in 101 Workshops; however, children ages 12 years and under must be accompanied by an adult who also is registered.

Visit [CarnegieScienceCenter.org/FabLab](http://CarnegieScienceCenter.org/FabLab) to register.



## **MUNCHKIN MONDAYS**

**Mondays, Feb. 6–Feb. 27 • 10 am–1 pm**  
Included with general admission

Preschoolers enjoy story time, make-and-take activities, and live demo shows with a new theme each week!

Supported by:  PNC  Grow Up Great

## **SALAMANDER SATURDAY**

**Saturday, May 6 • 10:30 am–2 pm**  
Included with general admission

Delve into an international day of awareness focused on the plight of the world's salamanders, their conservation, and their importance to ecosystems. Enjoy themed activities, story time, and meet our animal ambassadors.

## **PRESCHOOL ADVENTURES**

**Select Wednesdays and Saturdays, Now–May 20**  
**10:30–11:30 am**

\$14 Members/\$12 Nonmembers — Advance registration required

Looking for fun, hands-on activities for early learners ages 3–5? Science grows from curiosity! Specifically designed around suitable themes for little scientists, each adventure aspires to cultivate a love for learning while teaching basic concepts. Visit [CarnegieScienceCenter.org/Preschool-Adventures](http://CarnegieScienceCenter.org/Preschool-Adventures) to register.





## **SENSORY SENSITIVE SCIENCE HOURS**

**Sundays, March 19 and May 21 • 9 am–Noon**

*Included with general admission*

Designed for visitors with autism or sensory sensitivities, disabilities, and their families. Enjoy a self-guided museum visit with sensory-friendly demos, and adjusted exhibit lights and sound effects.

The Adventure Guide on the website can help prepare visitors for a stress-free visit, and quiet areas and sensory backpacks are always available.



Supported by:



## **TOUR YOUR FUTURE**

**For girls and non-binary youth ages 11–17; preregistration is required**

*\$10 per student*

Explore exciting careers, meet female+ STEM professionals and tour places such as Google, Allegheny Observatory, and Pittsburgh Technical College. Tour Your Future welcomes cisgender girls, transgender girls, non-binary youth, gender nonconforming youth, genderqueer youth, and anyone who identifies as female.

### **Upcoming Spring Tours:**

- Thursday, Feb. 23 at 1 pm: Seneca Resources Company
- Thursday, March 9 at 1 pm: Braskem I&T
- Friday, March 24 at 10 am: Google
- Saturday, March 25 at 1 pm: Allegheny Observatory
- Saturday, May 13 at 9 am: Pittsburgh Parks Conservancy's Frick Environmental Center
- Wednesday, May 17 at 1 pm: Pittsburgh Technical College's Criminal Justice Program

**Visit [CarnegieScienceCenter.org/TYF](https://CarnegieScienceCenter.org/TYF) for more details.** Tour Your Future is a program of Carnegie STEM Girls+.

Carnegie STEM Girls+ is presented by:  **NOVA Chemicals**

## **Programs for Scouts**



### **SCOUTS BSA WORKSHOPS\***

**Select Saturdays, Feb. 25–May 20**

**1:30–4:30 pm**

*\$30 per scout; does not include general admission*

Work toward a variety of science-related merit badges led by teachers and certified badge instructors. Each workshop meets different merit badge requirements.

### **GIRL SCOUTS WORKSHOPS\***

**Select Saturdays, Feb. 11–May 13**

**1:30–4:30 pm**

*\$30 per scout; does not include general admission*

Immerse yourself in the world of robots, explore different types of energy, and step into the tiny world of bugs during science-related badge workshops! In this perfect activity for Girl Scout Troops, girls have a fun time discovering, learning, and gaining knowledge and character with friends as they become resourceful leaders!

**\*Visit [CarnegieScienceCenter.org/individuals-and-families/scouts](https://CarnegieScienceCenter.org/individuals-and-families/scouts) for registration information.**

What's happening on Pittsburgh's  
**LARGEST SCREEN!**



Open Thursday–Sunday  
\$6 Members/\$7 Nonmembers



**TRAIN TIME**

Now showing–Sunday, March 12

Railroaders guide us through the running of a modern super freight and help us navigate the astounding scale and complexity of a major railroad network. *Train Time* immerses viewers in a grand tapestry of railroading, revealing along the way the art and science of running the greatest trains.



**IRELAND (3D & 2D)**

Saturday, Feb. 25–Sunday, April 2

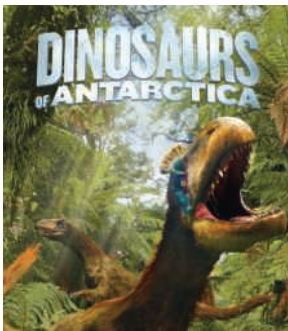
This film celebrates Ireland's rich history, land and seascapes, language, arts, and music. Amid awe-inspiring locations such as Giant's Causeway, Skellig Michael, and the Cliffs of Moher, the film follows Irish writer Manchán Magan on his quest to reconnect Irish people from around the world with their land, language, and stories.



**ANGKOR: THE LOST EMPIRE OF CAMBODIA  
(3D & 2D)**

Friday, March 10–Monday, May 29

At the height of its power between the 9<sup>th</sup> and 15<sup>th</sup> Centuries, Angkor was considered the most extensive urban complex of the pre-industrial world. But by the late 16<sup>th</sup> Century, the people of Angkor left without a single word explaining their kingdom's collapse. Come along on this giant screen adventure to unveil the mysteries behind this lost jewel of Cambodia!



**DINOSAURS OF ANTARCTICA (3D & 2D)**

Thursday, April 6–Saturday, Sept. 30

From the Permian through the Jurassic, journey to the south polar landscapes of Antarctica hundreds of millions of years ago. Join intrepid Antarctic scientists on a quest to understand the ice continent's profound ecological story over eons – from a frozen desert to a lush dinosaur world and back again.



# MARS THE NEXT GIANT LEAP

*Included with general admission.*

Powered by



Sponsored by: **Carnegie Mellon University** **PAcyber**

## **DISCOVER THE MANY FACETS OF SPACE EXPLORATION!**

- Help to make decisions facing a Martian community and create a world where you feel connected and represented
- See a real Moon rock and Mars meteorite
- Discover how climate-related scenarios on Mars and Earth will continue to shape our planets
- Craft a Martian-meal from sustainable ingredients
- Command a rover to search for evidence of water or past life on the Red Planet



## **MINIATURE RAILROAD & VILLAGE®**



**Closed for maintenance — reopens  
on Saturday, March 11 with  
the newest model!**

Through animations, models, and amazing trains, the Miniature Railroad displays encapsulate the stories of Pittsburgh and western Pennsylvania and recreate iconic landmarks. From the Westinghouse Atom Smasher and Kaufmann's Department Store to Fallingwater and the first game at Forbes Field, each scene evokes memories and has a story to tell.

***NEW models are added every year — the 2023 models will premiere in March and October.***

Presented by: **REACH CYBER  
CHARTER  
SCHOOL**

Sponsored by:  **Tender Care**  
Learning Centers  
The Early Education Professionals



# 21+ NIGHT



*Enjoy music, games,  
and a signature  
drink while learning  
amazing science.*

## Science After Hours for Adults Only!

*\$20 Members/\$25 Nonmembers when purchased in advance online; \$25 Members/\$30 Nonmembers at the door, \*unless otherwise noted.*

Visit [CarnegieScienceCenter.org/Science-After-Hours](https://CarnegieScienceCenter.org/Science-After-Hours) to register.

### 21+ NIGHT: VIKINGS

Friday, Feb. 10 • 6–10 pm

*\*\$35 Members/\$40 Nonmembers.*

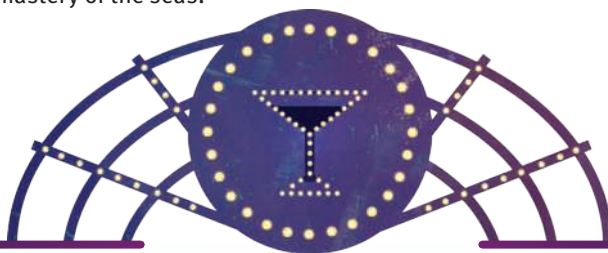
*Ticket includes admission to VIKINGS:  
Warriors of the North Sea.*

Explore the legacy of Vikings, from their influence on the English language to their mastery of the seas.

### 21+ NIGHT: MARS

Friday, March 10 • 6–10 pm

Get ready for a hot date on the Red Planet! Check out our newest permanent exhibition, *Mars: The Next Giant Leap*. Discover what we have learned about Mars and what it might be like to live there.



### 21+ NIGHT: SPEAKEASY SCIENCE

Friday, April 14 • 6–10 pm

Relive the roaring twenties with a Science Center twist! Dive into the culture and science of the prohibition era.



CarnegieScienceCenter



@CarnegieSciCtr



@carnegie\_science\_center



## CAFÉ SCI

Both in person and virtual • 7 pm

Free to attend

Interested in science? Want to learn more about the latest technology breakthroughs in normal English, minus the jargon? Then our monthly Café Scientifique is the place to be!

- **Feb. 13** • Renee Frohnert, NASA's Artemis Mission
- **March 6** • Scott Patterson, Electric Grid and Renewable Energy
- **April 3** • Kaushik Seshadreesan, PhD, Quantum Information Science
- **May 1** • Claire Ebert, PhD, Environmental Archaeology

Visit [CarnegieScienceCenter.org/CafeSci](https://CarnegieScienceCenter.org/CafeSci) to register.

Presented by:



## ESCAPE USS REQUIN

Select Fridays and Saturdays,  
April 8–May 20 • 5:30 and 7 pm

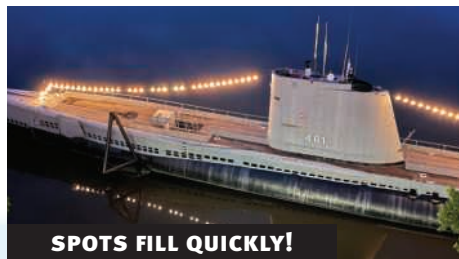
\$150 Members/\$175 Nonmembers

(group of 4–6, ages 13 and up)

Advance registration required

Think you have what it takes to beat a 60-minute escape room inside USS Requin (SS 481) submarine? Put your detective skills to the test and solve a series of puzzles and games directly related to USS Requin's history, science, and general naval principles. *Please note, full mobility is required for this experience.*

Visit [CarnegieScienceCenter.org/Escapes-USS-Requin](https://CarnegieScienceCenter.org/Escapes-USS-Requin) to register.



## SENIOR FAB LAB WORKSHOPS

Thursdays in May • 12:30–2:30 pm

*This event is exclusive to Members.* Advance registration required.

At BNY Mellon Fab Lab Carnegie Science Center, digital fabrication is for everyone! Join us for the FREE Fab Lab Senior 101 Workshops where you can learn the basics of 3D printing, laser cutting, vinyl cutting, and more in Pittsburgh's favorite makerspace. Enjoy complimentary refreshments and gain a deeper understanding of digital fabrication! Visit [CarnegieScienceCenter.org/Senior-Fab-Lab-Workshops](https://CarnegieScienceCenter.org/Senior-Fab-Lab-Workshops) to register.

## Sparkling Spectacles in Buhl Planetarium



## LASER SYMPHONY OF THE STARS

Wednesday, Feb. 1–Monday, May 29 • 2 pm

\$6 Members/\$7 Nonmembers

Get a glimpse into the greatest music of movies, theater, and television. From Judy Garland to Andrew Lloyd Webber to John Williams, brilliant laser animation is set to some of the most memorable music of all time.

**CARNEGIE SCIENCE CENTER'S NEWSLETTER!** Be the first to know about exciting happenings! Subscribe online: [CarnegieScienceCenter.org/Subscribe](https://CarnegieScienceCenter.org/Subscribe)



*Registration  
opens soon!*

## 2023 Summer Camp Offerings!

### **START PLANNING FOR SUMMER EXPLORATION AND FUN!**

Programs are offered for ages 4–14.



Dive into digital storytelling, get up-close with virtual reality, explore the biology of Pittsburgh, discover the world of Vikings, and learn how to survive an apocalypse. Our makerspace, BNY Mellon Fab Lab Carnegie Science Center, offers exciting experiences in digital fabrication, while our FedEx STEM Learning Labs provide the space and technology to carry out hands-on science experiments.

Visit [CarnegieScienceCenter.org/SummerCamps](https://CarnegieScienceCenter.org/SummerCamps) to learn more.

Sponsored by:



#### **Contact our Special Events Team:**

412.237.3403 or [NSSpecialEventSales@CarnegieMuseums.org](mailto:NSSpecialEventSales@CarnegieMuseums.org) for information.

## **Cheers to Making Memories!** *Engaged over the holiday season?*

Whether you are planning your dream wedding, gathering for a special birthday, or hosting an employee appreciation party, we can help provide a celebration worth waiting for!

### **THE SCIENCE CENTER IS PERFECT FOR:**

- Birthday and graduation parties
- Weddings
- Corporate events, fundraisers, and galas
- Bar and Bat Mitzvahs



## **BECOME A VOLUNTEER**

*People of all ages, abilities, education levels, and backgrounds are welcome.*

Volunteers at the Science Center inspire visitors by conducting science experiments and showing biofacts at activity tables, explaining scientific principles exemplified in exhibits, providing direction and information, demonstrating how science is used in everyday activities, and answering questions from curious learners.

- Now accepting applications for the **summer 2023 teen volunteer session; applications are due by Saturday, April 1.**
- Adult volunteer applications will be considered on a rolling basis through March.
- Email [VolunteerPrograms@CarnegieScienceCenter.org](mailto:VolunteerPrograms@CarnegieScienceCenter.org) or visit our website for details.



## **MEMBERSHIP PERKS**

In addition to sharing experiences with loved ones in all four Carnegie Museums of Pittsburgh, Members enjoy exclusive access to special Members-only events, such as the exclusive previews, store and café discounts, free admission at 300+ participating science centers and museums, and more.

For information on the many benefits of Membership, visit [CarnegieScienceCenter.org](http://CarnegieScienceCenter.org), or call 412.622.3314.



## **XPLOR STORE SPECIALS**

*Visit for interactive gadgets, science-centric toys, and educational gizmos!*

General admission is not required to shop at XPLOR and parking for your first 45 minutes is free! Visit [Stores.CarnegieMuseums.org/CSC](http://Stores.CarnegieMuseums.org/CSC) to shop online for signature souvenirs and gifts. Gift cards are also available in-store and online.

**Scan the QR Code to shop NOW!**



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# MOTION LAB<sup>®</sup>

Coming to Highmark SportsWorks<sup>®</sup>



**APRIL 2023**

Perform various sports-related activities while being recorded on a high-speed camera at about 200–250 frames per second. Once recorded, play back your footage, and compare your motions to professional Pittsburgh athletes!



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