

CARNEGIE SCIENCE CENTER

explore!

FEB
TO
MAY
2014



CARNEGIE SCIENCE CENTER

INSIDE: Sleepovers, Unseen Mysteries,
Classes & Workshops, and more!



One of the four Carnegie Museums of Pittsburgh

One Allegheny Avenue
Pittsburgh, PA 15212
412.237.3400

CarnegieScienceCenter.org

GENERAL ADMISSION HOURS

Sunday–Friday 10 am–5 pm
Saturday 10 am–7 pm

We also are open late Friday and Saturday evenings for Omnimax films, laser shows, and special programs. Check our online calendar for each week's offerings.

GENERAL ADMISSION

\$18.95 adults, \$11.95 children ages 3–12

**Omnimax films and laser shows are not included with general admission.*

Buy tickets online at:
CarnegieScienceCenter.org

GROUPS

Groups of 15 or more get a discount when booked in advance. Call 412.237.3400, then press 7, for details.

All prices and hours are subject to change.

Membership has its perks!

In addition to visiting free, members get special previews of new exhibitions before they open to the public and enjoy discounts on camps and classes, parties, workshops, Omnimax films, and in our XPLOR Store.

For information on the many benefits of membership, visit our website at CarnegieScienceCenter.org, or call 412.622.3314.

FOLLOW US!



SPECIAL HOURS & CLOSINGS

March 29 Close at 5 pm

USS *Requin*

The USS *Requin* will be open weekends only until March 2.

Open daily from March 3 until Thanksgiving.

ON SALE!



Hoberman Sphere
\$19.95

XPLOR
CARNEGIE SCIENCE CENTER STORE

Telescopes | Robotics | T-shirts

Miniature Railroad collector cars

Puzzles | Books | Videos

General admission is not required for access to XPLOR.

science AFTER DARK!



Science Sleepovers

Bring your family or Scout troop for an evening of special activities and programs. Discover the science of shuteye as you explore circadian rhythms and hibernation or investigate ultraviolet light in our glow room. Then snooze next to R2-D2, dream beside seahorses, or catch some Z's near a space station.

Call 412.237.1637 to register.

2014 SLEEPOVER DATES:

Feb. 14	Engineering Sleepover	Apr. 11	Sleepover
Mar. 7	Sleepover Boy Scouts/ Boys Only	Apr. 18	Sleepover
Mar. 15	Sleepover	May 2	Sleepover
Mar. 21	Sleepover	May 9	Sleepover Girl Scouts/ Girls Only
Mar. 28	Science Fair Sleepover		

\$35
per person

Sleepovers include: Omnimax movie, planetarium or laser show, live theater show, late-night snack, continental breakfast, free admission for the day following the sleepover, including Highmark SportsWorks® and USS *Requin*, parking, and an official Science Center patch.

see pg. 5 for **jammie jams!**

upcoming events!



Engineer the Future

Feb. 14 and 15

Ever wanted to know what it's like to be an engineer? Hands-on activities and dozens of special presentations will inspire your student toward a career in engineering.

Powered by **EQT**

StormFest

Feb. 21 and 22

Think about weather in a whole new way! Special activities and guests bring the science of meteorology alive.

Presented in partnership with **CALU** **99.7FM** **Bob FM 96.9** **Q 92.9**

Unseen Mysteries REVEALED!

April 12

Come and explore the *Mysteries of the Unseen World*. The Omnimax film comes alive with special displays and activities that help us take a closer look at the things all around us that we don't usually see. You won't believe your eyes!

tour your Future

Designed for girls ages 11–17, Tour Your Future visits local female STEM professionals in their workplaces. Visit CanTeenGirl.org for a complete schedule of dates and topics. Call 412.237.1637 to register.

Cost: \$5 per girl

Presented by **valspar**



adult programming

21+ Nights

Grab a drink at the cash bar and enjoy the exhibits and special themed activities – without the kids!

Cost: \$10 in advance / \$15 at the door

Upcoming Themes:

Feb. 21 – **StormFest**

March 14 – **To be announced**

April 25 – **Sci Fi**

May 16 – **The Science of Making**

Sponsored by **TRIB TOTAL MEDIA** **BOB FM 96.9** **Q 92.9**

Café Scientifique

Discuss the hottest scientific topics with experts at the top of their fields. Snacks and drinks available for purchase.

Upcoming Themes:

Feb. 3 **Michael Gough**, author
“The Pulitzer Air Races: American Aviation and Speed Supremacy”

March 10 **John A. Pollock**
Duquesne University
“Using Nanotechnology in Medicine & the Importance of Science Literacy”

April 7 **Margee Kerr**
Scarehouse
“Why We Enjoy Fear”

May 5 **Matt Lamanna**
Carnegie Museum of Natural History
“Origins of Modern Birds”

for our smallest scientists...

Preschool Adventures

Designed around themes for little explorers (ages 3–5) and their adult helpers. All sessions run from 11 am – noon.

Cost: \$10 members / \$12 non-members

Feb. 3 Science Rocks!

Get your hands dirty as we explore the science of soil and rocks. Explore the tiniest of pebbles and tallest mountains. Make a rock shake painting, and go on a gem hunt.

Feb. 17 Nature Exploration

Discover the world around us as we get crafty with nature. Find patterns in nature, make leaf rubbings, and create a winter bird feeder.

March 8 Powerful Polar Bears

Explore the frozen world of snow and ice and learn how polar bears survive living in the Arctic. Try on a blubber glove and make your very own polar bear to take home.

March 24 Learn and Glow

If a firefly can glow, why can't I? Learn why certain insects and animals can glow and the science of luminescence. Then, make some glow creations of your very own.

April 5 Up, Up, and Away!

Explore the thing that surrounds us all, but we can't see....air! Experiment with air pressure and make a pinwheel.

April 28 Sink or Float?

Experiment with different objects to find out which ones sink and which ones float. Learn about gravity and buoyancy and make your very own boat. Ahoy, matey!

May 3 Here Comes the Sun

Uncover why your shadow follows you, create shadow puppets, and make a color-changing sunshine bead bracelet.

May 19 Bubble Science

Can bubbles be square? Can you actually hold a bubble in your hand? Find out in this fun class on the science of bubbles. Test different bubble solutions and make your own bubble blower.



Preschool Semesters

Kids (ages 4–5) get ready for school and dig into important science topics on select Thursdays from 10 am–noon.

Amazing Animals

March 20, March 27, April 3, April 10, April 17

Lions and tigers and bears—oh my! Discover the many animals that share our planet. Learn more about where they live and find out what makes them unique.

Cost: \$50 members / \$65 non-members

jammie jams! May 10 5:30 – 9 pm

Bring your smallest scientists (ages 2–6) for an evening of themed activities! You and your preschooler will experience make-and-take activities, a live theater show, and story time. Plus, you'll have access to four floors of exhibits and enjoy a snack. Children are encouraged to wear their pajamas! Register by calling 412.237.1637 today.

Cost: \$15 per kid, \$10 per adult



camps, classes, & workshops

Call 412.237.1637 to register for any camps, classes, or workshops.

Family Workshops

Family bonding with a scientific twist on select Sundays from 1 – 3 pm. For ages 6 and up!

Workshop cost: \$10 adult / \$5 child members
\$13 adult / \$8 child non-members

Feb. 16 Spy School

Calling all science investigators! Learn the techniques that forensic scientists use and then put them to the test using evidence from the crime scene.

March 23 Blast Off!

The sky's the limit as we "take off" and learn the science behind flight. Check out Bernoulli's principle as we investigate how insects, birds, and humans command the sky. Build your own rocket and see how science can really soar!

April 6 It's Easy Being Green

Explore ways to help keep planet Earth clean and green in this ecology workshop. Learn about resource depletion, clean up an oil spill, and make a biodegradable seed starter.

May 18 Design Challenge

Learn the basics of invention and design and then make your own creations. Work as a family to build earthquake-proof structures, the tallest marshmallow building, and air-powered racers.

Homeschool Workshops

Thursdays from 1 – 3 pm

Tailored for a variety of ages, our workshops provide educational programming, hands-on experiments, and time to socialize with other young scientists.

Cost: \$15 members / \$18 non-members

Feb. 20 It's Electric (ages 6–7, 8–10)

Check out this bright idea! Build circuits, explore different forms of electricity, and get charged up with this shocking workshop.

March 20 Polymer Play (ages 6–7, 8–10)

Discover objects we use every day that are made of polymers. Experiment with Shrinky Dinks and make silly putty.

April 17 CSI Sci (ages 11–14)

Retrieve clues and assess data while exploring different science professions. Use your observation skills, participate in fingerprinting, and investigate some mystery substances.

**Summer Science Camp
registration opens in February!**

Members: Feb. 10
Non-members: Feb. 17

Science Fun Days

April 18 and 21

Campers ages 4–10 will play in the exhibits, see a live theater show or laser show, participate in a 1-hour workshop, plus see an Omnimax movie. It's a great alternative to daycare.

Full day (ages 6–10): 9 am – 3 pm

Cost: \$36 members / \$40 non-members

Half day (ages 4–5): 9 am – noon

Cost: \$20 members / \$23 non-members

Pre- and post-care is available for an additional charge of \$5 for pre-camp care and \$10 for post-camp care.

Programming With Scratch

March 9 from 1–4 pm

Combine this simple programming language and your imagination to create your own interactive stories, animations, or games. Participants learn important mathematical and computational ideas, learn to think creatively, reason systematically, and work collaboratively. For ages 10–12.

Cost: \$15 members / \$20 non-members

Behind-the-Scenes roboworld™ Workshop

Feb. 27 and April 10 from 7 – 9 pm

Explore the nuts and bolts of roboworld™ during an exclusive tour of the world's largest permanent robotics exhibit. Mingle with fellow robotics enthusiasts and meet the people responsible for creating one of our biggest attractions. Adults only. Registration limited to 15 participants.

Cost: \$15 members / \$20 non-members

Workshops for Scouts

Learn about tons of science topics, satisfy requirements, and bond with friends. Visit our website for more details about workshops, badge requirements, and registration.

CUB SCOUTS

Feb. 22 Cub Scout Science: 1 – 4 pm

March 22 Cub Scout Weather: 9 am – noon

April 12 Cub Scout Science: 1 – 4 pm

Cost: \$20 per session

BOY SCOUTS

Feb. 1 Oceanography: 9 am – noon
Railroading: 1 – 4 pm

March 1 Chemistry: 9 am – noon

March 9 Astronomy: Noon – 3 pm

March 23 Astronomy: Noon – 3 pm

April 12 Fingerprinting: 1 – 4 pm

April 27 Astronomy: Noon – 3 pm

Cost: \$20 per session

Feb. 8–9 Robotics: 10 am – 3 pm

April 26–27 Robotics: 10 am – 3 pm

Cost: \$45 for both days

WEBELOS

Feb. 8 Webelos Scientist: 9 am – noon
Webelos Engineering: 1 – 4 pm

Feb. 22 Webelos Engineering: 9 am – noon

March 22 Webelos Scientist: 1 – 4 pm

April 12 Webelos Engineering: 9 am – noon

Cost: \$20 per session

GIRL SCOUTS

March 1 Between Earth & Sky (Daisy)
1 – 4 pm

Science with a Sparkle (ages 8–12)
1 – 4 pm

March 15 WOW! Wonders of Water (Brownie)
1 – 4 pm

April 5 Science with a Sparkle (ages 8–12)
1 – 4 pm

April 19 Breathe (Cadette)
1 – 4 pm

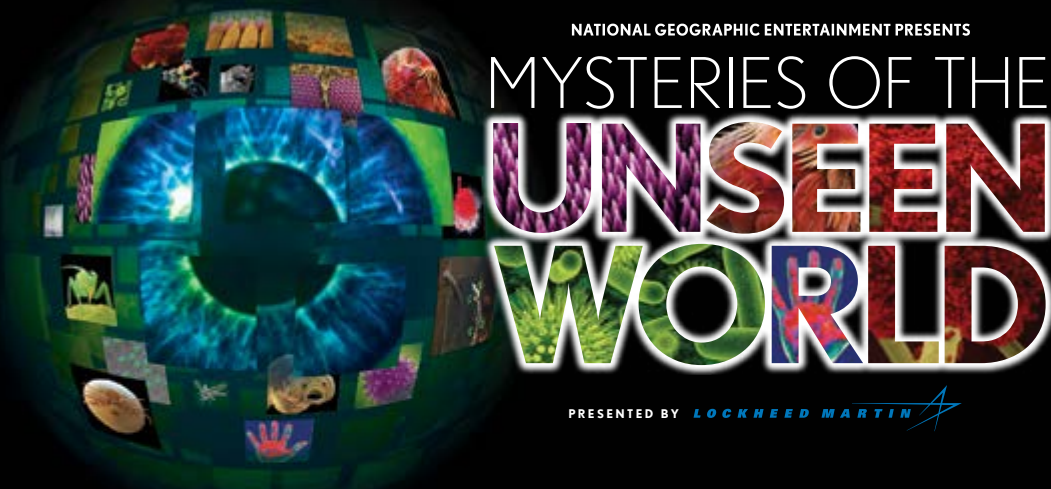
Cost: \$20 per session

rangos omnimax theater

ON THE BIG SCREEN

Films are scheduled daily.
Visit CarnegieScienceCenter.org for showtimes.

Members: \$7.50 adults / \$5.50 children
Non-members: \$8.50 adults / \$6.50 children
\$5 add-on with general admission



NATIONAL GEOGRAPHIC ENTERTAINMENT PRESENTS

MYSTERIES OF THE UNSEEN WORLD

PRESENTED BY LOCKHEED MARTIN

YOU WON'T BELIEVE YOUR EYES.

Take an amazing journey into unseen worlds and hidden dimensions beyond our normal vision to uncover the mysteries of things too fast, too slow, too small, or simply invisible.

Mysteries of the Unseen World uses innovative high-speed and time-lapse photography, electron microscopy, and nanotechnology, to transport audiences to an enthralling secret world of nature, events, and breathtaking phenomena not visible to the naked eye.

Sponsored locally by



JERUSALEM

Discover the Heart of the World — Opens March 7



Flight of the Butterflies

Discover the most incredible insect migration on Earth! Learn where Monarch butterflies mysteriously end up when they make their remarkable journey south for winter.

Sponsored locally by: COMMONWEALTH CONNECTIONS ACADEMY



Animalopolis

Closing March 6

Take a humorous journey into the magical world of animals.

Sponsored locally by: CLEARVIEW FEDERAL CREDIT UNION



Hubble

Closing March 6

Danger and beauty are never far away for the astronauts maintaining the Hubble Space Telescope.

Sponsored locally by: SHELL

Under the Stars

Check the website for the latest information and show schedules.

BUHL PLANETARIUM

Take a closer look at the stars in the Buhl Planetarium. From the stars over Pittsburgh to the life of an astronaut, nothing brings astronomy to life like a show under our digital dome.

Sponsored by PA LEADERSHIP CHAPTER SCHOOL www.PALCS.org

HENRY BUHL, JR. OBSERVATORY

SkyWatch resumes in March! Get a great view of the stars through our rooftop telescopes on clear Friday and Saturday nights.

Visit CarnegieScienceCenter.org/Planetarium to check out our latest astronomical calendar!

did you know? Our XPLOR Store has the largest in-store inventory of telescopes in the region.

LASER SHOWS

Sponsored by: MAZDA



It's an experience of light and sound like no other! Whether it's during the day with the kids or after a night on the town, there's no better way to rock out.

Visit CarnegieScienceCenter.org for a complete list of shows & times.

Laser Michael Jackson
Back by popular demand! Filled with vibrant laser colors, the King of Pop comes alive once more with "ABC," "Beat It," "Billie Jean," and more.

NEW! The Vision Bell: The Best of Laser Floyd
Love Pink Floyd but don't think you can make it to a midnight showing? Check out our earlier version featuring the band's classic hits.



fire up your brain... with science!

We've added theater shows to inspire visitors of all ages!

Aluminum Soup!

Now Playing

We fire up the foundry and pour molten metal right before your eyes! Learn about the science of smelting and how casts are made and used as forms to make solid objects out of liquids.

On Fire!

Now Playing

Discover the science of fireworks and the chemistry of rockets through explosive demonstrations.

Zoo Plus Two

Opens Feb. 2014

Numbers and shapes are the stars of this life-sized board game, as well as a few furry puppet friends. Math has never been this adorable and fun!

Grainiacs!

Opens Feb. 2014

Plant the seeds of nutritional knowledge as your students learn about what makes grains great and how to make a tasty, healthy pudding.

BIRTHDAY BASHES!

Celebrate your birthday
with frozen marshmallows,
R2-D2, and fun that will make
your hair stand on end—literally!

Invite up to 20 people for two hours in your own party room, explore four floors of hands-on exhibits and Highmark SportsWorks®, gobble up some ice cream, pizza, and soda, and enjoy customized gift bags for the kids. You can even add a special kid-favorite science activity!

Call the Birthday Bash reservation line at 412.237.3431 to book your party today!



Want your next event to be, well...special?

Located on the North Shore, we've got a perfect view of the Point, awesome spaces, and cool ideas for events that are out of this world!

Call 412.237.3431 to plan your special event today!

bulletin board:

do you **L♥VE**
the Science Center?

...become a volunteer!

We welcome people of all ages, abilities, educational levels, and backgrounds. Call 412.237.1621 or visit our website for details.

Past Science Fair Participants!

Pittsburgh Regional Science & Engineering Fair is marking its 75th anniversary this year, and we're inviting past participants to celebrate with us. If you were a participant, send an email to: PRSEF@CarnegieScienceCenter.org

middle & high school students:

i5 Digital Video Competition

Story Outline: Feb. 14, 2014
Video Entry: March 24, 2014
Awards Ceremony: April 24, 2014

Submit a 5-minute video on the impact of STEM (Science, Technology, Engineering, and Math) in your lives—namely:

- Innovations
- Issues
- Individuals
- Inspiring Careers
- Income Potential

Resources are available to help you get started! Call 412.237.1552 or visit SciTechFestival.com/film.asp to learn more.

Visit CarnegieScienceCenter.org to stay up-to-date with the latest news from the Science Center.

DISCOVER ^{THE}
HEART OF THE WORLD

NATIONAL GEOGRAPHIC ENTERTAINMENT PRESENTS

JERUSALEM

RANGOS OMNIMAX THEATER

Opens March 7

Take an inspiring and eye-opening tour of one of the world's oldest and most enigmatic cities, through the eyes of three women who call it home.



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