



727 West Main Street  
Louisville, KY 40202  
[LouisvilleScience.org](http://LouisvilleScience.org)

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UNITED MAIL

2011 Annual Fund Fall Campaign

**Science isn't just about discovering principles.  
It's about standing behind them.** [www.iheartscience.org](http://www.iheartscience.org)

**COLOR,  
WEATHER,  
& PUTTING  
THINGS  
TOGETHER.**



**COLORAMA | WEATHERBLAST | REUSEAPALOOZA**

**OCTOBER 1 – JANUARY 2**

# 2011 THE GREAT SCIENCE TO-DO

**COLORAMA | WEATHERBLAST | REUSEPALOOZA**

## > October 1 – January 2

Rock your brain at the Science Center's fall festival of hands-on science! Noodle things like how color affects your senses, or what happens at the eye of a storm. Can old things turn new again? There's something new to dig into with each month's changing focus, and plenty to capture the interest of curious kids and adults who like to think! Don't blink, it'll be gone.

## Colorama

### > October 1 – 31

Paint the town with us! The world is a more colorful place with you in it, and we want you to splash, mix, spray, view, reflect, and refract with us. Explore color and light through hands-on activities. Test your hand at color mixing and use cool science tools to be sure your eyes aren't fooling you. Investigate how color plays a role in everything including the food we eat, the clothes we wear, and how animals survive in the wild.

Sponsored by  
the PPG Foundation  
and PPG Porter Paints.



PPG  
PORTER PAINTS

## Weatherblast

### > November 1 – 30

Weather affects us every day. The simple act of looking out our window and determining what to wear, whether or not we need an umbrella, or what we might do or not do is based on weather conditions. Unleash your inner weather scientist by making neighborhood forecasting devices, trying your hand at high-tech weather technology and analyzing weather patterns. Face it, condensation happens.

## Reuseapalooza

### > December 1 – January 2

This season, we're going to celebrate the planet by exploring ways to reuse things. Do science, build and tinker with everyday and natural objects around your home. Use your imagination to innovate new uses for old things. Find inventive ways to conserve and make the most of your resources. Go green!



## NEW! Tornado Alley

### > Opens November 1

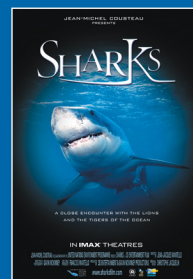
Follow a daring filmmaker and a team of driven scientists as they seek to encounter one of Earth's most awe-inspiring events — the birth of a tornado. Experience the relentless strength of nature's elemental forces as they literally

surround tornadoes, gathering the most comprehensive severe weather data ever collected. This science adventure reveals the beauty and the power of some of our planet's most extreme — and least understood — weather phenomena.



Sponsored by WLKY

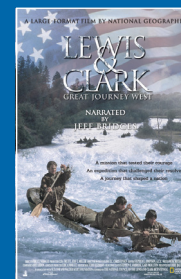
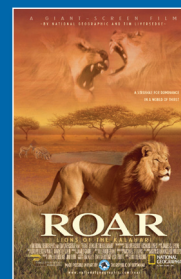
# NOW PLAYING



## Sharks

Closes October 31

**Roar: Lions of the Kalahari**  
Now Playing



**Lewis & Clark: Great Journey West**  
Now Playing

# SCHOOLS OUT SCIENCE CAMPS

## Holiday Help Day Mini Camp

> **December 10** | 1:00 – 5:00 p.m.

Cost: \$20 Members, \$25 Non-Members

## International Holiday Festival (Grades Pre-K – K)

Take a trip around the world as we discover all things holiday. Learn the customs of different places and celebrate the season.

## Eco Explorer (Grades K – 1)

Travel the globe to some of the most amazing places. From the Great Barrier Reef to the Great Wall of China, scope out the science behind the world's wonders!

## Nature's Tricksters (Grades 2 – 3)

It's the "Where's Waldo" of nature! Discover how animals survive in their environment and their advantageous adaptations.

## Mutants 101 (Grades 4 – 6)

Do you have super powers? Investigate how genetic origins can affect the Superhero in us all.

## Winter Camps

> **December 19 – 23**

Cost: \$40 per day Members, \$45 per day Non-Members

Drop-Off: 8:00 – 9:00 a.m., Camp: 9:00 a.m. – 4:00 p.m.,

Pick-Up: 4:00 – 5:00 p.m.

## Hot Science (Grades Pre-K – K)

Find out what happens when you crank up the heat. Warm up as we journey through science of all things hot.

## Nursery Rhyme (Grades K – 1)

Hey Diddle Diddle! Dive into your favorite nursery rhyme and discover if a cow can really jump over the moon. Build a suit to protect Humpty Dumpty during a three-story fall.

## Triple Dog Dare You (Grades 2 – 3)

Why does your tongue stick to a cold flagpole? Discover what physical and chemical changes occur as the temperature drops.

## Da Vinci (Grades 4 – 6)

Do great minds think alike? Explore the mind of the quintessential Renaissance man as we analyze his masterpieces and ideas. Test your own genius and construct a few inventions of your own.

> **December 27 – 30**

## Cool as a Cucumber (Grades Pre-K – K)

Maintain your cool as you take a dip on the icy side of science.

## Glorious Goo (Grades K – 1)

Science gets a little sticky as we learn about all things gooey, and slimy.

## Magic Tricks (Grades 2 – 3)

Now you see it, now you don't! Uncover the secrets of your favorite magic tricks.

## Just Dig It (Grades 4 – 6)

Was your backyard once a great sea filled with magnificent creatures? Dig deep into the past to find out what our Earth used to look like.

> **January 16**

## Wiggle, Giggle, Shake (Grades Pre-K – K)

Get a move on as we investigate the science fun of fitness. Find out what makes us wiggle, why we giggle and how to keep on shaking!

## Over the Rainbow (Grades K – 1)

Color is all around us, from blues to yellows and spectrums in between!

## My Mummy (Grades 2 – 3)

Unearth the secrets of the Science Center mummy. Learn the mysteries of an ancient language, excavate myths and facts and discover why the Nile flows northward.

## Forensics (Grades 4 – 6)

Calling all gumshoes! Explore the tools and methods behind solving a crime.

> **February 13**

## Builders (Grades Pre-K – K)

Put on your hard hat as you explore construction science. Learn building basics and lay the foundation for the next masterpiece in our skyline.

## Cool Chemistry (Grades K – 1)

Get your hands slimed! Explore all things that ooze, bubble, and splatter as you learn to create gak, foam, and other cool concoctions.

## Optical Illusions (Grades 2 – 3)

I spy a hidden message, do you? Learn the science behind optical illusions and create your very own.

## Flight Fantasy (Grades 4 – 6)

Take flight in this one-day aviation course. Design your own paper airplane and let it soar!

## Special Thanks to Our Sponsors and Partners

Gifts received April 2 – August 1, 2011

Louisville Science Center is grateful to:

**PNC Bank** for their partnership to create a Science Outreach Booth designed to be used at family-friendly venues throughout the region.

**Louisville Water Company** for their partnership, which will provide water exploration activities at the Science Center from 10 a.m. – 2 p.m. the third Friday of each month, September 2011 – May 2012.

**AEGON / American Red Cross - Louisville Chapter / Cardiovascular Innovation Institute / Coca-Cola D.D. Williamson / Donan Engineering Co., Inc. / GE Appliances / Genscape, Inc. / Grote Industries / Hanover College Inline Automation Group, LLC / Interapt / KFC / Kindred Healthcare / Kosair Charities / Luckett & Farley / Mrs. Potter's Coffee Lounge & Café / Northern Kentucky University / Papa John's International / Publishers Printing Company Sam and Bonnie Rechter Family / Spalding University / University of Louisville Family Medicine / University of Kentucky Wells Fargo Insurance Services of Kentucky / Wayne Supply / Zeon Chemicals / Zoeller Company**



LOUISVILLE  
SCIENCE  
IMAX



## New This Fall

### Baby Talk

Join us for a series of discussions for parents, grandparents and caregivers on the growth and development of young children. Hear from local experts, learn from other parents, and ask questions about anything from milestones, to child safety, to baby talk. Sessions are free, but require advance registration. Call 502-561-6100, ext. 6111 to register. Visit [LouisvilleScience.org/events](http://LouisvilleScience.org/events) for session topics and dates.

Program presented in partnership with Kentucky Education Savings Plan Trust.

### Family and Parent Workshops at The Parklands

Take a closer look at different trees and their many leaves or marvel at the immensity of the night sky. Family Workshops will engage young children, ages 3 – 7, and caregivers in exploring the natural world together. Parent Workshops will offer adults a variety of activities and strategies for encouraging and extending the learning of their young children. Visit [LouisvilleScience.org/events](http://LouisvilleScience.org/events) to register, or for more information.

Cost: \$2.00 Members / \$3.00 Non-Members (Children and Adults)

### Family Workshops

Night Sky > October 8, 6:30 – 8:30 p.m.

Falling Leaves > November 19, 9:30 – 11:30 a.m.

### Parent Workshop

Falling Leaves > October 15, 9:30 – 11:00 a.m.



These programs are made possible through support from PNC Grow Up Great with Science and are a partnership between the Science Center and 21st Century Parks.

## Events

### INK!

INK! is a high-energy book-discussion group for anyone ages 11 – 14. Challenge fact and fiction when we examine real-world science issues with a literary lens. Each session includes exhibit admission and a hands-on science activity. Visit [LouisvilleScience.org/events](http://LouisvilleScience.org/events) for book selections and dates.

Cost: FREE for Members, \$5 per session for Non-Members

### Chemistry Week

> October 20 – 22

Join the Science Center and partners throughout the community in celebrating National Chemistry Week's theme, "Chemistry — Our Health, Our Future!"

FREE with exhibit admission.

### BOONANZA

> October 29 – 30 | 11:00 a.m. – 4:00 p.m.

Zapped back to life by popular demand is BOONANZA. Fill your day with science tricks and treats when you venture into a world of slimy, gooey, creepy and gross. See what happens when we electrify a pickle, face the not-so-terrifying Wheel of Dares, and discover explosive new ways to smash a pumpkin.

FREE with exhibit admission.

### Super Genius Birthday Parties

Celebrate birthdays with a science twist! Each Birthday Party Package includes exhibit admission, a themed science activity, a liquid nitrogen ice cream demonstration, and more! Multiple themes and packages available. Visit [LouisvilleScience.org/events](http://LouisvilleScience.org/events) for more information and package details.

To register for any program or event visit [LouisvilleScience.org](http://LouisvilleScience.org) or call 502-561-6100, ext. 6111.

## Save the Date

### Science With a Twist

> January 21

### Spring Break School's Out Science Camps

> March 26 – 30 and April 9 – 13

### ThunderBlast

> April 21

## Festive Fun for the Holidays

### M Special Membership Offer — Makes a great gift!

> December 9 – 23

Purchase or renew any Louisville Science Center or Dual Science Center/Louisville Zoo membership and receive 2 guest passes and 2 parking passes. Passes are valid for one-time use. Offer valid only on memberships purchased between December 9 and 23.

### M Member Appreciation Days

> December 16 – 23

It's the perfect time for last-minute shopping. Members, use your membership card to receive 20% off all regularly priced merchandise at the Science Center Gift Shop.

### M December Deals

> December 16 – 23

Free with any \$50 purchase, bring a little Reuseapalooza home. Get a free Green Toys Race Car made from recycled milk jugs, an \$8.99 value!

### FREE Members-Only Family Science Night

> December 21 | 5:00 – 8:00 p.m.

Get messy with gooey concoctions and debunk some magic myths with activities from our favorite School's Out Science Camps. Great prizes will be given away, including free membership renewals and passes to local attractions.

Discounted IMAX tickets will be available for purchase. Advance reservations are required. For more information or to register, visit [LouisvilleScience.org/members](http://LouisvilleScience.org/members) or call 502-561-6100, ext. 6111.

### Noon Year's Celebration

> December 31 – January 2 | 10:00 a.m. – 4:00 p.m.

Ring in the new year with the biggest party for families in town! Cause a ruckus when you make your own noisemakers and discover how sound is created. Witness explosions and learn what makes fireworks sparkle. Don't forget to visit the Balloon Lab to build and decorate a balloon for a balloon drop to welcome 2012.

FREE with exhibit admission.

**M** Look for this symbol for special offers just for Science Center members.

The Science Center is closed November 24, December 24 and 25. The Science Center is open November 25, New Year's Eve, and New Year's Day.