

Exclusive Programs

ANIMAL ANTICS

Grades Pre-K–3

Choose from four focus areas designed to introduce young students to animals and their unique characteristics, habitats, and adaptations.

1. Fantastic Flyers

Components include: Classification of the bird family, physical qualities of feathers, flight, differences and structures of eggs, variations of beaks and adaptations for increased survival.

2. Snack Attack

Components include: Differences in animal eating habits, introduction to the terms herbivore, omnivore, and carnivore, animal teeth and skulls, adaptations, metabolic differences between carnivores and herbivores, nutrition and food webs.

3. Daring Defenses

Components include: Students understand the term *adaptation* and understand the benefit of these behaviors and characteristics, mechanisms behind adaptations, hunting, and survival.

4. Animal Architecture

Components include: Exploration and identification of animal habitats and ecosystems, understanding adaptations needed for survival in different environments, habitat design.

[SUPER-SCIENCE IT] Add the film *Sharks* to give your students a glimpse of one of the planet's most magnificent and endangered species.

Cost: \$2.50 per student, sold only as an add-on. Exhibit or IMAX purchase required.

Length: 45 minutes.

PULSE OF SURGERY

Grades 7–12

> Sept. 14 | Oct. 19 & 26 |
Nov. 16 & 30 | Dec. 14 |
Jan. 11 & 25 | Feb. 8 & 29 |
Mar. 14 & 28 | Apr. 4 & 25 |
May 9 & 16

Students at the Science Center link to a live open-heart surgery performed by a medical team at Jewish Hospital. During real-time surgery, students will interact with the surgeon, nursing staff,



perfusionists, and others in the operating room, while learning about the procedure, the tools used, and the techniques that must be mastered in order to perform a successful open-heart surgery. Students will meet local experts in health care, learn the importance of studying advanced anatomy and physiology, and explore the state-of-the-art technology that makes medical advancements possible, while being introduced to possible careers in medicine. Program includes pre- and post-visit curriculum guides.

Cost: \$10 per student, 30 students minimum. \$5 per additional teacher or chaperone, 1 teacher per 30 students free. Length: 3 hours.

Note: Visit LouisvilleScience.org/pulseofsurgery for sold-out dates and additional information.

Program support from Jewish Hospital & St. Mary's HealthCare, Greater Louisville Medical Society, and Medical Society Professional Services.

SCIENTOTS

Grades Pre-K–1

> October 17, November 14, February 6, March 12

With no big kids in sight, ScienTots is the perfect way to navigate the Science Center with little ones looking for adventure. Package includes activities in all exhibit areas geared toward the early childhood crowd, plus time in KidZone and reservations in the lunchroom.

Cost: \$8.00 per student or chaperone.

Length: 9:30 a.m.–12:30 p.m.

Add-an-IMAX: \$2.00 per student, teacher, or chaperone.

FOLLOW ME! LEADERSHIP PROGRAM

NOTICE: Men wanted for hazardous journey. Small wages, bitter cold, long months of complete darkness, constant danger, and safe return doubtful.

Honor and recognition in case of success.” Amazingly, many men replied to Sir Ernest Shackleton’s actual job posting for an epic polar expedition. Let your students learn from the trials of these brave individuals



as they use the IMAX film *Shackleton’s Antarctic Adventure* as a springboard to develop leadership, teamwork and communication skills. Lunch included.

Cost: \$20.00 per student, \$10.00 per teacher and chaperone.

Length: 9:30 a.m.–1:00 p.m.

Note: Minimum 20 students.

PATTERNS AND TILING WITH KENTUCKY MUSEUM OF ART AND CRAFT



KENTUCKY MUSEUM
OF ART AND CRAFT

Grades 2–8

Repetition, patterns, and tiling can be seen in nature, geometry, and mathematics, even in the tiniest molecules. Explore patterns and repetition, mathematics, and tangrams in a class at the Louisville Science Center, then head to the Kentucky Museum of Art and Craft for a 90-minute hands-on workshop making artwork using tessellations.

Cost: \$12 per student, \$5 per teacher or chaperone. Teachers are FREE.

Length: 2.5 hours of class time.

Note: Minimum 15 students.

TUNNELING FOR WATER

Grades 3–8

It’s a first-of-its kind project in the world. Louisville Water Company has built a tunnel to collect ground water for drinking water. Learn the science behind the project and experiment with the materials found deep in the ground. Class taught by Louisville Water Company educators.

Cost: \$2.50 per student (10 student minimum).

Length: 45 minutes.

Note: Sold only as an add-on. Exhibit or IMAX purchase required.

[SUPER-SCIENCEIT] Join Louisville Water Company educators at the Science Center on special Fridays to do experiments and activities using water as a basis for learning. Free with admission. Visit LouisvilleScience.org/teachers for dates and times.



EXPLORE KENTUCKY PACKAGE WITH *KENTUCKYSHOW!*

All ages

Investigate your community through the eyes of a scientist in the Science Center exhibits. Encounter local biomedical researchers, who perform work that ultimately touches the life of every citizen in Kentucky. Wander through habitats throughout the region and discover native species. Check out feats of engineering and innovative products manufactured in Kentucky.

Then, walk down Main Street to *KentuckyShow!*, a 30-minute large screen multi-media experience narrated by Ashley Judd that captures Kentucky's people, culture, history, music, spirit, and more! Program is self-guided through Science Center exhibits and includes a Kentucky Exhibit Guide.

Cost: \$5.00 per student and chaperone.

Note: Thanks to generous underwriting, there is no cost to attend *KentuckyShow!*



IF KIDS

Grades 6–8

> September 23

Part of IdeaFestival, IF Kids at the Louisville Science Center exposes young thinkers to a wealth of unique and exciting ideas in science, the arts, and everything in between. The program includes discussions with the nation's foremost thinkers, innovators, and performers — the same great minds taking part in IdeaFestival.

Cost: \$5.00 per student.

Length: 9:30 a.m. – 1:00 p.m.

Note: Space is limited.



UNIVERSITY OF LOUISVILLE NANO TOUR



UNIVERSITY OF
LOUISVILLE

Grades 9–12

Learn firsthand about the nano world of sensors, integrated circuits, and implantable micro-devices on an exclusive behind-the-scenes tour of the University of Louisville Micro/NanoTechnology Center. High school students are introduced to high-tech careers and engage with a team of researchers while seeing micro/nano-fabrication tools in action.

Cost: \$10 per student, teacher and chaperone.

Note: Additional field trip fees apply if adding a visit to the Science Center.

[SUPER-SCIENCE IT] Pair your visit to the nano lab with a nano celebration at the Louisville Science Center, March 30–April 1.