Learn with Science

2021-22
Pre-K–5th Grade Education Guide

KENTUCKY SCIENCE CENTER
At Kentucky Science Center, we exude a “Do Science” philosophy, taking every opportunity to make exciting and fun science connections with the community. Let us make the most of your field trip by adding interactive classes and movies. Or let Kentucky Science Center come to you! We can engage a class or the entire school with Assembly Programs, Science Expos, and Science Enrichments.
Can’t make it to Kentucky Science Center? Let us come to you! Our recorded programs give you the ultimate flexibility to use our content at your pace, while our live programs give students the chance to interact with our staff, ask questions, and conduct hands-on science activities.

Learn more at kysci.org/digitallearning

<table>
<thead>
<tr>
<th>RECORDED SCIENCE MODULES</th>
<th>STANDARD LIVE PROGRAMS</th>
<th>PREMIUM LIVE PROGRAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>$150 per module or bundle and save</td>
<td>$250 per program, 45-60 Minutes</td>
<td>$350 per program (plus optional supplies), 45-60 minutes</td>
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</tbody>
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Each video theme can be divided into three lessons, allowing for flexible multi-day learning. Lesson extensions provide additional in-class or at home assignments. Themes include Energy and Electricity, States of Matter, Animal Habitats, and Human Impacts on Earth Systems.

Live interaction with Kentucky Science Center educators, presenting engaging science content and answering student questions. Themes include Animals, Coding, and Weather.

Virtual versions of our travelling and on-site experiences. Themes include STEAM Exploration, Ion Jones and the Lost Castle of Chemistry, and Challenger Learning Center.
DO SCIENCE WITH US

Is your class ready to get hands-on and “minds-on” at Kentucky Science Center? Our three floors of interactive exhibits are designed for students to learn science by doing science.

Learn more at kysci.org/education/field-trips
Water Table at Science in Play

Explosion of the Day

Don’t forget to check out the Gift Shop!

Light Bright at Science in Play
FAMILY SCIENCE NIGHTS

Bring the entire school community together—students, teachers, and caregivers—for a night of exclusive hands-on science fun! Includes after-hours admission to Kentucky Science Center’s permanent exhibits, STEAM activities throughout the exhibit spaces, and a movie. Learn more at kysci.org/family-science-night

SCIENCE CELEBRATION DAYS

These events have special partner programming and added activity stations throughout the galleries to enhance your students’ experience. Come celebrate science with us on Fridays and Saturdays throughout the year. Learn more at kysci.org/education/field-trips

MAKER DAYS
November 19-20, 2021

ENGINEERING DAYS
February 18-19, 2022

BRAIN DAYS
March 25-26, 2022

DOG DAYS
May 13-14, 2022
4-STORY THEATER

DON’T JUST SEE A MOVIE. EXPERIENCE IT.

Our 4-story digital theater offers a variety of films to enhance your Kentucky Science Center experience. Don’t see what you need?

View our extensive film library at kysci.org/education/field-trips

NEW! Sea Lions 3D
Pairs with our Environmental Design Class

Dream Big 3D
Pairs with our MakerPlace Classes

Extreme Weather
Pairs with Our Dynamic Earth Classes

National Parks 3D
Pairs with Organisms and Ecosystems Classes

Backyard Wilderness
Pairs with The World Around Us Exhibit

Lewis & Clark: Great Journey West
Pairs with our Discovery Gallery Exhibit
Classes are inquiry-based explorations, designed to hone critical thinking and problem-solving skills. With the guidance of Science Center Educators, your students will ask questions, define problems, create and use models, determine their investigation, gather and analyze data, and defend conclusions.

Learn more at http://kysci.org/education/classes-and-labs
MAKER: STEAM EDITION
Make it with science! Students work together and explore engineering and art through design challenges using real-world tools. Pairs with Dream Big 3D film.

ORGANISMS AND ECOSYSTEMS
Observe animal artifacts! Students explore animal habitats and human impacts by designing a park. Pairs with National Parks 3D film.

ENERGY IN MOTION
Go with the flow! Students consider renewable and non-renewable resources and how electricity travels to the places we need it.

TRANSFORMATION OF MATTER
Become a material scientist! Learn about how different solids, liquids, and gases behave when mixed together.

NEW! ENVIRONMENTAL DESIGN: HELP CLEAN OUR WATER
Learn together to create a system that will mitigate an oil spill in a coastal community and discover solutions to real-world environmental problems. Pairs with Sea Lions 3D film.

DESIGN YOUR OWN
The sky’s the limit! Work one-on-one with our educators to create a hands-on curriculum that meets your learning goals. Examples include mammal organ exploration, science of sound, etc.

All classes integrate Kentucky Academic Standards science and engineering practices and Next Generation Science Standards. Visit kysci.org/education to view KAS/NGSS standards.
Challenger Learning Center simulations put science and communication skills to the test as your mission control and space station teams work together to meet the challenges of space exploration.

Learn more at kysci.org/education
NEW! LUNAR QUEST
Your mission: NASA has turned their full attention to the moon in an effort to expand human presence in space. Students will calculate landing paths, build and deploy a rover, and study lunar topography.

EXPEDITION MARS
Your mission: land on the Martian surface to seek out evidence of life and water. Students will reprogram communications satellites, plot a course to Mars, locate missing satellites, and check radiation levels.

Please note: Challenger Learning Center is located 3 miles west of Kentucky Science Center at The Academy @ Shawnee
Hands-on walk up experiences

Science Celebration Maker Days activity

Design Your Own Class: Shark Dissection

Build in our Pathways exhibit
Kentucky Science Center educators travel throughout Kentucky and Indiana with our Science Travels to You programs. Engage your entire school with Assembly Programs, enhance your STEAM day with our Science Expos, add a hands-on program series with our Science Enrichments, or give your students a combination of all three!

Learn more at kysci.org/science-travels-to-you
Science Expos are designed to appeal to a Pre-K through 8th grade crowd with five hands-on science activity stations per theme presented in a fun, festival atmosphere. Great for community, family, after-school events, or any gathering for a wide age group. Learn more at kysci.org/science-travels-to-you

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<thead>
<tr>
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<th>EARLY CHILDHOOD</th>
<th>K-8TH</th>
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<tbody>
<tr>
<td>Standard $250</td>
<td><strong>Animals:</strong> Explore animal camouflage, habitats, tracks, and animal specimens.</td>
<td><strong>REDESIGNED! Math and Engineering:</strong> Explore how math and science go hand in hand! Tackle real-world challenges utilizing math and teamwork to solve problems following the engineering design process!</td>
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<td></td>
<td><strong>STEAM:</strong> Highlight science, technology, engineering, art, and math through bridge building, animal explorations, chemical reactions, and more!</td>
<td><strong>NEW! Space:</strong> Explore the ins and outs of aero-science like rocket flight, living and working in space, and programming robots on other celestial bodies!</td>
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<tr>
<td>Premium $300</td>
<td><strong>Touchy, Feely, Mucky, and Messy:</strong> Get messy with Alka-Seltzer® explosions, sensory concoctions, and slime.</td>
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<tr>
<td></td>
<td><strong>Water:</strong> Explore soapy science with the properties of surface tension, buoyancy, and light!</td>
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<tr>
<td>Design your own $350</td>
<td></td>
<td>Don’t see your ideal Expo? If you have a theme of your own, we can design a KAS-based experience around it! In order to design your own theme, book six weeks prior to your desired program date.</td>
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Kentucky Science Center educators travel to your classroom and bring science to life! These hands-on sessions are available during school hours or after school as a science “club”. You choose the topic; examples available below.
Learn more at kysci.org/science-travels-to-you

<table>
<thead>
<tr>
<th>THEME</th>
<th>Cost</th>
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<tbody>
<tr>
<td>STANDARD THEME</td>
<td>$200</td>
</tr>
<tr>
<td>SIGNATURE THEME</td>
<td>$250</td>
</tr>
<tr>
<td>PREMIUM THEME</td>
<td>$250</td>
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**STEAM:** Whether it is the animals of the Amazon or the towering structures of New York City, science, technology, engineering, art and math are all around us. Students will dive into a vast array of activities, topics, and experiments!

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**MAKER:** Explore, design, build, mess up, learn, and reconstruct! Students will discover the marvelous world of maker and how it connects to STEAM and our everyday lives.

**NAME THAT PART LAB:** You choose which organ you would like to study - sheep brain, cow eye, pig lung, sheep kidney, or sheep heart - and discover the link between anatomy and physiology. Book multiple labs to cover the body from head to toe.
ASSEMBLY PROGRAMS
Grades K-8

Bring your whole school together to experience a high-energy science adventure! Choose to watch an assembly performance, rotate through hands-on activity stations, or both for a full day of STEAM learning.

Learn more at kysci.org/science-travels-to-you
ION JONES AND THE LOST CASTLE OF CHEMISTRY

When Ion Jones visits your school, your students join the adventure as Ion discovers elements, demonstrates chemical reactions, and breaks down chemistry for your students.

CAPTAIN CURRENT VS. THE ELECTRICITY VAMPIRES

In this high-voltage electricity program, Captain Current (Kentucky Science Center’s resident superhero), teaches students about how electricity is generated and recruits them to become Energy Saving Cadets.

ASSEMBLY ONLY

45-60 mins
$350 plus mileage
You provide: Assembly space with a 15’ by 25’ performance area plus space for your student audience - gyms, cafeterias, and auditoriums all work!

WALK-UP ACTIVITIES ONLY

1-4 hours
$425 plus mileage
You provide: Space for 10 activities, 10-11 tables, and 10-12 volunteers

FULL DAY EXPERIENCE: ASSEMBLY + WALK UP ACTIVITIES

3-6 hours
$750 plus mileage

NEW! FULL DAY EXPERIENCES NOW COME WITH A FREE PASS TO KENTUCKY SCIENCE CENTER FOR EVERY PARTICIPATING STUDENT, PLUS WAYS TO EXTEND THEIR LEARNING AT HOME!

Assembly Programs accommodate up to 320 students for Walk-Up Activities. Assembly participation is limited only by how many students can safely fit in your space.

Have a large student body? We can work with you to book multiple Assemblies and/or Walk-Up sessions!
Captain Current vs. The Electricity Vampires

Early Childhood Science Expo

Engineering Science Expo

Signature Maker Science Enrichment
## Pricing at a Glance

All experiences must be booked at least four weeks in advance.

### Field Trip Experiences

<table>
<thead>
<tr>
<th>Experience</th>
<th>Class + Exhibits</th>
<th>Movie + Exhibits</th>
<th>Movie Only</th>
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</thead>
<tbody>
<tr>
<td>Best Value: Class + Movie + Exhibits</td>
<td>$12/student or chaperone</td>
<td>$10 per student or chaperone</td>
<td>$6/student or chaperone</td>
</tr>
<tr>
<td></td>
<td>$4/teacher</td>
<td>FREE for teachers</td>
<td>$4/teacher</td>
</tr>
</tbody>
</table>

Upgrade to a premium experience for $3 extra per student or chaperone

Need space for lunch? Reserve our lunchroom for an additional $0.50 per student

### Science Expos*

- Standard Themes: $250
- Premium Themes: $300
- Design Your Own: $350

### Science Enrichments*

- Standard Theme: $200
- Premium or Signature Theme: $250

### Assembly Programs*

- Assembly Only: $350
- Walk-up Activities Only: $425
- Assembly + Walk-up Activities: $750

*Mileage rates apply

Questions? Visit kysci.org/education or contact us directly at 502-560-7166.