STUDENT & EDUCATOR PROGRAMS

FOR ILLINOIS SCHOOLS

2012 2013

The Field Museum
Welcome back to another year of teaching and learning with The Field Museum!

We are dedicated to inspiring wonder, developing scientific thinking, and fostering understanding of Earth’s natural and cultural diversity through exploration of our vast scientific collections and research. During the 2012-2013 school year, we’re thrilled to reopen the N. W. Harris Learning Collection with new and improved materials, unveil the Grainger Digital Media Studio and connect students with scientists behind-the-scenes through Virtual Visits. And that’s just the beginning!

The Museum is opening dynamic temporary exhibitions that will inspire students of all subjects and grade levels. Explore the most amazing species of all time in Extreme Mammals and discover the dazzling jewelry, weaponry and artwork of India’s royal courts in Maharaja. Visit these exhibitions and check out what’s new at our annual Educator Open House on Tuesday, October 16. Registration is now open at fieldmuseum.org/schools/educator-workshops.

We look forward to learning with you this year!

Sincerely,

Beth Crownover, Director of Education

The Field Museum salutes the people of Chicago for their longstanding, generous support of the Museum through the Chicago Park District. In addition, Museum programs are partially supported by the Illinois Arts Council, a state agency. In accordance with Title IX of the Education Amendments Act of 1972, we do not discriminate on the basis of sex in our programs or activities. Please call 312.665.7271 to contact our Title IX Coordinator in the human resources department should you have any questions or concerns.
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<td>Virtual Visits</td>
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*English Language Arts, Science, Social Science, Fine Arts*
Educator Programs

EDUCATOR OPEN HOUSE
Tuesday, October 16, 2012, 5pm – 8pm

Educators, you’re invited! Celebrate the start of the 2012-2013 school year with The Field Museum. Visit our renovated Hall of Birds and newest temporary exhibitions, Maharaja: the Splendor of India’s Royal Courts and Extreme Mammals. Explore vast collections with museum experts, meet scientists and learn about cutting-edge research. Check out our new and improved materials from the N. W. Harris Learning Collection and receive a special discount on your membership! Earn 3 CPDUs.

FREE. Educators only. Pre-registration required. Visit fieldmuseum.org/schools/educator-workshops or call (312) 665-7500 to register.

FIELD AMBASSADORS
Join a professional learning community at The Field Museum. Collaborate with inspired educators and grow as a leader in your school community. Visit behind-the-scenes with scientists to learn about our research and collections. Develop a deeper understanding of the Museum and its four areas of study—Anthropology, Botany, Geology, and Zoology. For more information, visit fieldmuseum.org/schools/field-ambassadors.

This program is free and open to educators teaching grades Pre K–12. Earn 30 CPDUs and graduate credit.

EDUCATOR IN-SERVICES
Learn the ins and outs of planning successful focused field trips, how to bring the Museum’s collections to your classroom, or dive deep into content. Schedule a 3-hour customized professional development program for educators at the Museum or your school. Visit fieldmuseum.org/schools/educator-service for more information.

DNA RESIDENCY – SUMMER 2013
Calling Chicago-area high school educators! Participate in a paid opportunity to conduct genetic research alongside accomplished Field Museum scientists. Two high school students, an educator, and one Field Museum scientist will form a team that conducts basic research during a six-week internship program. All participants will be trained in molecular biology laboratory methods in The Field Museum’s Pritzker Lab/Rice DNA Discovery Center, gather data relevant to current research programs, and learn about all aspects of the scientific process—from sample gathering to data analysis and interpretation.

Spring 2013, apply online at fieldmuseum.org/happening/programs/educators/dna-residency-educators.

Teacher Professional Development programs sponsored by JPMorgan Chase & Co.
Permanent Exhibitions

Pre-registration is required for all school groups visiting permanent exhibitions. Scheduling dependent on availability of space. See pages 15-16 for field trip registration and pricing details.

RONALD AND CHRISTINA GIDWITZ HALL OF BIRDS
Reopens September 25, 2012

The Hall of Birds at The Field Museum, one of the most outstanding displays of birds in the world, is reopening following extensive renovations. With updated content, reflecting new information about the relationships between bird species, digital labels (using iPad technology), new engaging media elements, and an “Artists’ Corner,” visitors will discover and share their passion for these beautiful and amazing animals once again. Learn more at fieldmuseum.org/happening/exhibits.

Thanks to generous contributions from Ronald and Christina Gidwitz and the Grainger Digital Initiative.

Temporary Exhibitions

Tickets and pre-registration is required for all school groups visiting temporary exhibitions. Tickets are available on a first-come, first-served basis. See pages 15-16 for registration and pricing details.

EXTREME MAMMALS
Through January 6, 2013

Explore the surprising and sometimes bizarre world of Extreme Mammals, the biggest, smallest, and most amazing mammals of all time. Inspect oversized claws, massive fangs, bizarre snouts, amazing horns, and other traits that make these mammals truly remarkable. Uncover the characteristic that links us to over 5,400 wonderfully weird living species, and discover how we might be the most extreme mammal of them all. Learn more at extrememammals.fieldmuseum.org.

Organized by the American Museum of Natural History, New York, in collaboration with the California Academy of Sciences, San Francisco; Canadian Museum of Nature, Ottawa, Canada; and Cleveland Museum of Natural History.

Major Sponsor: Discover
MAHARAJA: THE SPLENDOR OF INDIA’S ROYAL COURTS
October 17, 2012 – February 3, 2013
Explore the dazzling world of India’s maharajas from the 1700s to the 1940s, and discover the important role these legendary rulers played in its cultural and political history. Through elaborate jewelry, weaponry, costumes, and artwork, trace the dynamic roles of the “great kings” across centuries—from military and political ruler, to religious leader and cultural patron. Learn more at fieldmuseum.org/happening/exhibits.

Exhibition organized by the Victoria and Albert Museum, London.

Lead Sponsors: BMO Harris Bank, Exelon

CREATURES OF LIGHT
March 7, 2013 – September 2013
Creatures of Light introduces the astonishing variety of bioluminescent organisms and explores the various ways they glow, the functions of bioluminescence, and how scientists study this remarkable characteristic. Explore a forest of bioluminescent mushrooms, a meadow filled with fireflies, a bioluminescent bay in Puerto Rico, and the deep sea to highlight the ways in which different animals use bioluminescence to attract mates and prey, and to threaten predators. Learn more at fieldmuseum.org/happening/exhibits.


Major Sponsor: Discover

SCENES FROM THE STONE AGE: THE CAVE PAINTINGS OF LASCAUX
March 2013 – September 2013
Monumental, interdisciplinary, interactive, and intensely emotional Scenes from the Stone Age is your opportunity to walk through exceptional replicas of the famous Lascaux caves. Voyage through the world of Lascaux: share in the initial discovery, explore 3D virtual tours of the cave system, uncover over 70 years of scientific and artistic endeavors to decipher the extraordinary Paleolithic paintings, and discover the on-going efforts to save this world heritage site. Learn more at fieldmuseum.org/happening/exhibits.
Learn more about our permanent exhibitions at fieldmuseum.org/happening/exhibits.

Pre-registration required. Tickets and pre-registration details are available on page 15 and 16. For registration and scheduling, please call 312-665-7500.

Tickets and pre-registration required. See page 15 for registration and pricing details.

Pre-registration required. Scheduling dependent on availability of space. See page 15 for registration details.
Student Programs

Looking to engage your students in hands-on investigations and immersive experiences while at the Museum? Book a student program! Unless otherwise noted, student programs are available Mondays, Tuesdays, Wednesdays and Thursdays from 10am–12:30pm, including 30 minutes for lunch. Cost is $4.50 per student. Maximum of 35 students per program. Register for student programs online at fieldmuseum.org/schools/field-trip-programs.

PLAYLAB: SELF-GUIDED EXPLORATION • GRADES PREK–2

Young adventurers have the chance to explore the Crown Family PlayLab! Students can put on an animal costume to crawl, hop or fly! From digging up dinosaur bones to grinding corn in a Pueblo, little explorers can choose from an endless variety of activities. Program is free for pre-registered groups. Available Mondays, Thursdays and Fridays at 10am or 11am.

PLAYLAB: FOSSIL DIG! • GRADES K–2

Come join us on a paleontology dig! Discover different fossil types and help dig out a fossil cast from a field jacket. Available Mondays, Thursdays and Fridays at 10am or 11am. Cost is $2.50/student. Meets ILS goals 7, 12, 16.

The Crown Family PlayLab is generously sponsored by the Crown family.

EGYPT UNWRAPPED • GRADES 3–8

Investigate the myths and lore of the ancient gods and goddesses of Egypt. Wrap a mummy replica and participate in a wailing ceremony to discover the symbolism and science behind traveling to the afterlife. After hearing about the history and practices of mummification, travel through Inside Ancient Egypt to find real mummies, and images of rulers and gods! Meets ILS goals 16, 17, 18.

GREAT FOSSIL HUNT • GRADES 3–8

Learn how to identify real fossils and create a dig pit grid system to help you remember the location of your fossils. Practice scientific illustration and make inferences about the origins of fossils. This hands-on class incorporates paleontology with the adventure of a mini-dig...this is one Great Fossil Hunt you won’t want to miss! Includes a tour of Evolving Planet. Meets ILS goals 11, 12, 13.

ART OF ANCIENT POTTERY • GRADES 3–12

Take part in an activity practiced throughout the early Americas: making pottery! Learn about the lives of past peoples by investigating artifacts. Explore ceramic shards and other materials made and used throughout the Americas, then make your own pottery using only tools and techniques available to early potters! Includes a tour of The Ancient Americas. Meets ILS goals 16, 17, 27.
UNRAVELING DNA • GRADES 6–12
Investigate the fundamental principles of DNA and genetics while learning about scientific research conducted at The Field Museum. Students will extract DNA in a lab and connect with real scientists in the DNA Discovery Center! Meets ILS goals 11, 12, 13.

WAKING THE T. REX 3D: THE STORY OF SUE IN THE ERNST AND YOUNG 3D THEATER • GRADES 3–12
Discover the T. rex named SUE like you never have before in this 3D film! Learn the amazing story of how the world’s greatest predator was found in the dusty badlands of South Dakota, see what we’ve learned about her, and view a real fossil excavation with Field Museum paleontologists. Cost is $6 per student. Film is available at 10:40am. Meets ILS goals 11, 12, 13.

D3D Cinema and The Field Museum present Waking the T. rex 3D: The Story of SUE, sponsored by McDonald’s Corporation.

NOTE TO EDUCATORS: STUDENT PROGRAMS OFFERED TO GRADES 3–12 START PROMPTLY AT 10AM.

YOUTH DESIGN TEAM: YEAR-LONG ACADEMIC COURSE
Part design studio, part museum studies and part science class, this two-semester, for-credit course gives youth the tools and the space to explore, plan, play, and create! Teens will go behind-the-scenes, speak with scientists, design a project inspired by Museum research, and build marketable job skills. Grades are submitted to school administration.

10th-12th grade students with a 3.2 grade point average or higher are eligible to apply by the August 24, 2012 deadline. Teen participants will be expected to leave their regular school day and travel to the Museum. Program takes place Thursdays, 1:30pm – 4:30pm starting October 4, 2012 through April 18, 2013. Questions? Email jthompson@fieldmuseum.org.
Guided Tours

Get a guided tour of some of the Museum’s most fascinating exhibitions with our trained volunteer tour guides and use their extensive knowledge to focus your field trip. Tours last approximately 45 minutes and are free with pre-registration. Register for guided tours online at fieldmuseum.org/schools/field-trip-programs.

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<td>10:30am and 11:30am</td>
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<td>The Ancient Americas</td>
<td>Mondays, Wednesdays, and Fridays</td>
<td>10:30am and 11:30am</td>
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<td>Africa</td>
<td>Mondays</td>
<td>10:30am and 11:30am</td>
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<td>Mondays</td>
<td>10:30am and 11:30am</td>
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<td>Inside Ancient Egypt</td>
<td>Mondays through Fridays</td>
<td>10:30am and 11:30am</td>
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DOZIN’ WITH THE DINOS

Bring your students and your sleeping bag to explore one of the most exciting spots in town! Dozin’ with the Dinos is a unique opportunity for children ages 6–12 to spend the night at The Field Museum. Overnights begin at 5:45pm and end the following morning at 9am.

Dates for the 2013 season are Jan 11; Feb 1 & 8; Mar 1, 8 & 15; Apr 5 & 12; May 10; and June 7.

The group rate for this program is $53 per person. The minimum size for a group is 15.

Register at fieldmuseum.org/overnights.
Programs at Schools

Unless otherwise noted, programs at schools are available Thursdays. Cost is $4.50 per student. Maximum of 35 students per program. Register for programs at your school online at fieldmuseum.org/schools/outreach-programs.

SOIL ADVENTURE • GRADES 3–8
Discover how soil scientists study the “ingredients” of soil and learn why soil is so important to plants and people. Hear about the secrets of “soil recyclers”, see and touch live earthworms, and practice scientific observation skills. Meets ILS goals 11, 12, 13.

EGYPT UNWRAPPED • GRADES 3–8
Investigate the myths and lore of the ancient gods and goddesses of Egypt. Wrap a mummy replica and participate in a wailing ceremony to discover the symbolism and science behind traveling to the afterlife. Meets ILS goals 16, 17, 18.

GREAT FOSSIL HUNT • GRADES 3–8
Learn how to identify real fossils and create a dig pit grid system to help you remember the location of your fossils. Practice scientific illustration and make inferences about the origins of fossils. This hands-on lab incorporates paleontology with the adventure of a mini-dig...this is one Great Fossil Hunt you won’t want to miss! Meets ILS goals 11, 12, 13.

THE ART OF ANCIENT POTTERY • GRADES 3–12
Take part in an activity practiced throughout the early Americas: making pottery! Learn about the lives of past peoples by investigating artifacts. Explore ceramic shards and other materials made and used throughout the Americas, then make your own pottery, using only tools and techniques available to early potters! Meets ILS goals 16, 17, 27.

© Ernest J. Ramon

Courtesy The Field Museum
VIRTUAL VISITS • GRADES 6–12

Take your students on a behind-the-scenes experience they’ll NEVER forget...without leaving your school campus. If you have a computer and internet connection, your students can be a part of the first official “Virtual Visit.” This is your chance to take your students into the museum’s dissection lab LIVE with scientist Bill Stanley and experience a squirrel dissection! Youth will be able to ask questions in real time and get answers straight from our scientist.

This special event will be broadcast four times in February and March: two dates will be confirmed exclusively for middle school classes and two exclusively for high school. Visit fieldmuseum.org/schools/digital-media-learning after September 1 for additional program and registration details.

RENEWABLE ENERGY VEHICLE: FROM THE FRYER TO THE FUEL TANK • GRADES 6–12

Learn how diesel engines work and why they can run on used french fry oil! Investigate viscosity and determine the best plant-based fuel for varying weather conditions. See the biodiesel go-kart zip around your school parking lot (space and weather permitting) and learn what it means to be “veggiepowered”! Meets ILS goals 11, 12, 13.

RENEWABLE ENERGY VEHICLE: RUNNIN’ ON SUN • GRADES 6–12

Using real fossil fuel specimens, role-play basic parts of a solar panel then graph research results like solar researchers and engineers. Examine the efficiency of a solar panel and attempt to improve it with various modifications. This lab also includes performance of basic math functions to calculate potential energy and monetary savings from energy efficient behavioral changes. Meets ILS goals 11, 12, 13.

REGISTRATION

* Register for field trips and student programs at fieldmuseum.org/schools/field-trip-programs

* Pre-registration is required for all teachers, chaperones, and students at least 14 days in advance of visit. Field trips and student programs are only available for groups of 15 or more.

* Basic admission includes all permanent exhibitions, with the exception of Underground Adventure and the Crown Family PlayLab.

* Underground Adventure and all temporary exhibitions are ticketed. Review field trip pricing for special exhibitions on page 16.

* Entrance to the Crown Family PlayLab requires registration for a student program or self-guided exploration. Walk-in groups not permitted.

* Free lunch seating is available in the Sea Mammals area (ground level). This space is first-come, first-served. A $65 fee per group for use of the Siragusa Center applies to schools and organizations outside of the city of Chicago. There is no Siragusa Center fee for Chicago schools and organizations.

* Registration for groups is required on Museum Free Days. Groups that do not pre-register may not be admitted.

CHAPERONES

* Pre K through 2nd grade students must be accompanied by a minimum of 1 adult for every 5 students and a maximum of 1 adult for every 3 students.

* 3rd through 12th grade students must be accompanied by 1 adult for every 10 students.

* Adults in excess of the ratio not included in pre-registration will be subject to full admission costs upon arrival.

* Failure to abide by the required chaperone ratio may result in your group being turned away. Students must remain with their chaperones at all times. Failure to adequately supervise your group may result in the group being asked to leave the Museum.

PRICES AND PAYMENT

* Payment is due 30 days prior to your visit, or at the time of registration if your visit is fewer than 30 days away. Send payment to: Field Trip Reservations Office, The Field Museum, 1400 South Lake Shore Drive, Chicago, IL 60605.

* Prices are subject to change. Visit fieldmuseum.org/schools/field-trip-planning for current pricing.

* To cancel or revise your reservation email fieldtrip@fieldmuseum.org. Cancellations or changes to reservation must be made 14 days prior to scheduled visit to receive a refund.

* Groups that arrive at the Museum with fewer people than were paid for at time of reservation will not receive a refund.

EMAIL CONFIRMATION

* You should receive an email confirmation within two weeks of completing your online registration. If you do not receive your email confirmation within two weeks, please call 312.665.7500 or email fieldtrip@fieldmuseum.org as soon as possible, M-F, 8:30am-4:30pm.

* Review your confirmation carefully including the date of your field trip, any special exhibition tickets with assigned entry time, lunch reservations, any student program registrations, bus parking, and information for students with special needs.
## Field Trip Pricing

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<th>Students from pre-registered organizations in Chicago</th>
<th>Basic Admission</th>
<th>Basic Admission + Underground Adventure OR 1 Ticketed Exhibition</th>
<th>Each Additional Ticketed Exhibition or 3D Film</th>
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<td>FREE</td>
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<tr>
<td>Illinois students from pre-registered organizations outside of Chicago</td>
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<td>Teachers and chaperones necessary to meet the required chaperone ratio</td>
<td>FREE</td>
<td>FREE</td>
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</tr>
<tr>
<td>Teachers and chaperones in excess of the required chaperone ratio</td>
<td>$13.50*</td>
<td>$21.50*</td>
<td>For Basic Admission, 2 or more ticketed exhibitions, and 3D Films = $26*</td>
</tr>
</tbody>
</table>

* Price effective January 1, 2013. Contact our Reservations Office with questions.

### IMPORTANT NUMBERS TO KNOW

**RESERVATIONS OFFICE**
312.665.7500 fieldtrip@fieldmuseum.org

**STUDENT PROGRAMS (ON-SITE AND OFF-SITE)**
312.665.7548 studentprograms@fieldmuseum.org

**EDUCATOR PROGRAMS & SCHOOL PARTNERSHIPS**
312.665.7536 educators@fieldmuseum.org

**N. W. HARRIS LEARNING COLLECTION**
312.665.7555 harris@fieldmuseum.org

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Summer Experiences for Teens

**TEENS @ THE FIELD**

This program is a volunteer opportunity for young people ages 13–19 to earn community service credits by facilitating demonstrations and interactive experiences in Museum exhibitions. From sharing a story with young learners to exploring ancient cultures with families, teens share the wonders of The Field with Museum visitors. Teens who choose to participate in this program are required to attend 2 mandatory training dates as well as commit to 1 day of service each week from mid-June through August.

Email teens@fieldmuseum.org with questions or to request an application. All applications must be received by March 31, 2013.

**DIGITAL PLANET**

In this one-week program, teens make digital films based on the research of The Field Museum’s fearless scientists. They go behind-the-scenes to see specimens and artifacts that are not only changing the face of science but also the future of our planet. Teens also get to work with real-world scientists and videographers. The best videos are publicly displayed and highlighted on the Museum’s web site. Teens ages 14–18, or going into 9th-12th grades, are eligible to apply. Program is FREE; includes some meals and CTA assistance.

To watch teen-produced videos from previous Digital Planet programs visit fieldmuseum.org/schools/takethefield. For additional program details and to download an application, go to fieldmuseum.org/happening/programs/teens.

**YOUTH DESIGN TEAM**

From Egyptian mummy experts to web developers to security guards (who have the BEST stories), this program lets teens see The Field Museum from the inside out. Using game-creators, mobile experience-makers, video, audio and social networking, teens create a project that blows the top off how the world interacts with the Museum’s 26 million specimens...less than 1% of which is actually on public display! Teens ages 14–18, or going into 9th-12th grades, with a 3.2 GPA or higher are eligible to apply. Program is FREE; includes some meals and CTA assistance.

To see previous Youth Design Team projects visit fieldmuseum.org/schools/takethefield. For additional program details and to download an application, go to fieldmuseum.org/happening/programs/teens.
I DIG SCIENCE

I Dig Science lets teens virtually join a paleontological dig to learn about evolution and the end-Permian mass extinction directly from scientists in the field! Via a 3D virtual world and satellite calls, teens hunt for and excavate fossils, collaborate in real time with an international team of scientists, and create an interactive virtual museum exhibition. Teens will also use digital media to produce blogs and videos. Museum tours and behind-the-scenes activities tie the experiences together by allowing teens to examine real fossils to collect data as well as learn how fossils are prepared for museum collections. Teens ages 14-18, or going into 9th-12th grades, are eligible to apply. Program is FREE; includes meals and CTA assistance.

For additional program details and to download an application, go to fieldmuseum.org/happening/programs/teens.

DNA RESIDENCY

Calling Chicago-area high school students! Participate in a paid opportunity to conduct genetic research alongside accomplished Field Museum scientists. Two high school students, an educator, and one Field Museum scientist will form a team that conducts basic research during a six-week internship program. All participants will be trained in molecular biology laboratory methods. The Field Museum’s Pritzker Lab/Rice DNA Discovery Center, gather data relevant to current research programs, and learn about all aspects of the scientific process—from sample gathering through data analysis and interpretation.

Apply Spring 2013 online at fieldmuseum.org/happening/programs/teens/dna-residency-high-school-students.
Digital Learning Resources

**SCIENCE@FMNH**
Tune into Science at FMNH, a video and podcast series that explores the behind-the-scenes science, collections and research at The Field Museum. There are over 150 scientists working behind-the-scenes at The Field Museum. Curators, collection managers, research associates, post doctoral scientists, and graduate students study a wide array of topics from the evolution of dinosaurs to the development of cities in human society. Visit fieldmuseum.org/explore/science-at-fmnh to connect your students with the research, collections and people that make this Museum a world-class research institution!

*Science at FMNH is funded by The Grainger Foundation and produced by the Biodiversity Synthesis Group.*

**THE FIELD REVEALED**
Explore the treasures of The Field Museum through a series of dynamic videos and podcasts. Every object has a tale to tell and we have more than 24 million of them in our collections. Each Friday we turn the spotlight onto the cases, cabinets and shelves behind the scenes and let our staff reveal the hidden stories from The Field Museum. To access these digital resources, visit fieldmuseum.org/explore/the-field-revealed.

**ENCYCLOPEDIA OF LIFE**
The Encyclopedia of Life (EOL) is a free, on-line collaborative resource for information about all 1.9 million living species on earth. It is compiled from existing projects and from contributions by experts, citizen scientists, students and the general public from around the world. EOL serves biodiversity information including video, sound, images, graphics, as well as text. Teachers and students can access EOL to find information about species, listen to podcasts, view Google Earth tours or create a customized field guide. Learn more at: education.eol.org.

**INVASION!**
INVASION! is an on-line game about the Asian carp, an invasive species that is threatening to enter the Great Lakes. Explore the Asian carp’s impact on human health, politics, and economics as well as the history of the Asian carp in the Midwest. Start off as a pesky carp, out-competing other river species for food and knocking humans out of boats! Then switch roles and become the Carp Czar of Chicago and keep this invasive species from reaching Lake Michigan. Be careful, though...you have limited money and political capital to spend and. Both random events, and the carp can undermine even your good intentions! Activities geared toward grades 9–12. Meets ILS goals 10, 11, 12, 13, 14.

INVASION! was made possible through a partnership with Carnegie Mellon’s Entertainment Technology Center and with funding from the MacArthur Foundation.
WHYREEF

WhyReef is a virtual coral reef with several activities that can be easily incorporated into your middle school classroom and science curriculum. From a quick game that reinforces a lesson on trophic levels to a long-term project that teaches your students about coral reef ecology and conservation, WhyReef brings science to life! Activities geared toward middle school grades. Meets ILS goals 10, 11, 12, 13, 14.

You can view videos of how to login to WhyReef and use the different activities at the following YouTube Channel: youtube.com/WhyReef. You can also download an Educator Guide for WhyReef as well as The Creatures of WhyReef Coloring Book at fieldmuseum.org/education/online_whyreef.htm.

WhyReef is made possible with funding from the John D. and Catherine T. MacArthur Foundation.

ON-LINE WATER CALCULATOR

Dive into The Field Museum’s on-line water calculator and find out how much water you use every day. Answer questions about how long your showers are, how big your yard is, if you wash dishes by hand or machine, and more. You’ll be surprised by how quickly the gallons add up! Challenge your students by asking them to apply the water-saving tips and tricks they learn from the site, and re-calculate their water consumption to see if it has been reduced. Activities geared toward K–12 grades. Meets ILS goals 12, 13.

The water calculator website is made possible through the support of Robert M. and Diane v.S. Levy, the Metropolitan Water Reclamation District of Greater Chicago, the City of Chicago Department of Water Management and the Alliance for Water Efficiency.
Field Trip Resources

FIELD TRIP PLANNING GUIDE
The Field Museum is an exciting place to explore and our new Field Trip Planning Guide will provide you with tips for designing a meaningful student learning experience at the Museum. Get your hands on a planning checklist, strategies to focus learning, sample worksheets, exhibition recommendations, and chaperone resources. Visit fieldmuseum.org/schools/field-trip-planning to download this guide and other planning resources.

EDUCATOR GUIDES
The Museum's Educator Guides provide detailed information for you to plan focused field trips to a few of our newest permanent exhibitions. Each guide presents an exhibition introduction, gallery overviews, guiding questions, and pre-during-post field trip ideas. Download our PDF Exhibition Guides at fieldmuseum.org/schools/educator-guides.
Get up-close with real artifacts and specimens from The Field Museum’s collections!

From a skunk specimen to SUE’s tooth to a mask from Cameroon, the N. W. Harris Learning Collection at The Field Museum offers over 1,500 treasures for educators and parents to borrow. Use the materials from our Learning Collection to engage students in scientific practices, develop critical thinking skills, and pique curiosity about Earth’s natural and cultural diversity.

Materials are available for borrowing at a low cost to all educators and parents. Starting September 15, visit harris.fieldmuseum.org to become a member, search a complete listing of what’s available, and reserve items online.

Choose from two types of materials related to people, plants, rocks, fossils and animals:

**EXHIBIT CASES (MINI DIORAMAS)**

**EXPERIENCE BOXES (HANDS-ON KITS)**

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