Welcome back!

The Field Museum is dedicated to inspiring curiosity about the natural world. We investigate how the world came to be and how we can make it a better place. Our 25 million specimens and artifacts form one of the world’s most extensive natural history collections. These objects help us tell the story of the origin and evolution of the planet, its life and cultures.

We are pleased to usher in the new school year and look forward to enjoying, exploring and learning with you and your students. This year, join us for a new professional development series featuring the N. W. Harris Learning Collection, engage students during field trips by testing a series of self-guided activities that promote critical thinking, and connect students with scientists behind-the-scenes via Virtual Visits.

We hope to see you at this year’s Educator Open House on October 24!

Sincerely,

Beth Crownover, Director of Education
## PROGRAMS AT A GLANCE

<table>
<thead>
<tr>
<th>Grade</th>
<th>Program</th>
<th>Page</th>
<th>Standards</th>
<th>Available at your school?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PreK–2</td>
<td>PlayLab: Self-Guided Exploration</td>
<td>10</td>
<td>IELS 11, 14, 17, 18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PlayLab: Fossil Prep! <em>(grades 1-2 only)</em></td>
<td>10</td>
<td>CCSS ELA &amp; Math</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Soil Adventure</td>
<td>10</td>
<td>NGSS 2-LS4-1</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Pawnee Earth Lodge <em>(grade 2 only)</em></td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3–5</td>
<td>The Art of Ancient Pottery</td>
<td>11</td>
<td>ILS 16.A.2c</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Soil Adventure</td>
<td>11</td>
<td>NGSS 5-LS2-1</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Egypt Unwrapped</td>
<td>11</td>
<td>ILS 16.A.2c</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Great Fossil Hunt</td>
<td>11</td>
<td>NGSS 3-LS4-1</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>3D Movie, Waking the T. Rex 3D: The Story of SUE</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, The Ancient Americas</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Pawnee Earth Lodge</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Dinosaurs</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Africa</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Indigenous Peoples of Northwest Coast and Arctic</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Ruatепupuke II: Maori Meeting House</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Inside Ancient Egypt</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6–8</td>
<td>Mapping the Tree of Life Using DNA</td>
<td>13</td>
<td>NGSS MS-LS4-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Egypt Unwrapped</td>
<td>14</td>
<td>ILS 16.E.3a(W)</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Great Fossil Hunt</td>
<td>13</td>
<td>NGSS MS-LS4-1</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Art of Ancient Pottery</td>
<td>13</td>
<td>ILS 17.C.3b</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>From Fryer to Fuel Tank</td>
<td>13</td>
<td>NGSS MS-PS1-3</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Runnin’ on Sun</td>
<td>13</td>
<td>NGSS MS-PS3-3</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>3D Movie, Waking the T. Rex 3D: The Story of SUE</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Virtual Visits</td>
<td>4</td>
<td>NGSS Practices</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Guided Tour, The Ancient Americas</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Pawnee Earth Lodge</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Dinosaurs</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Africa</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Indigenous Peoples of Northwest Coast and Arctic</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Ruatепupuke II: Maori Meeting House</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Inside Ancient Egypt</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9–12</td>
<td>Mapping the Tree of Life Using DNA</td>
<td>15</td>
<td>NGSS HS-LS4-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Art of Ancient Pottery</td>
<td>15</td>
<td>ILS 27.B.4a, 27.B.5</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>From Fryer to Fuel Tank</td>
<td>15</td>
<td>NGSS HS-PS3-4</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Runnin’ on Sun</td>
<td>15</td>
<td>NGSS HS-PS3-4</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>3D Movie, Waking the T. Rex 3D: The Story of SUE</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Virtual Visits</td>
<td>4</td>
<td>NGSS Practices</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Guided Tour, The Ancient Americas</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Pawnee Earth Lodge</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Dinosaurs</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Africa</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Indigenous Peoples of Northwest Coast and Arctic</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Ruatепupuke II: Maori Meeting House</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guided Tour, Inside Ancient Egypt</td>
<td>16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Virtual Visits from The Field!

Peer behind the scenes with Virtual Visits from The Field!

Take your students on a journey they won’t forget with this interactive digital experience. Explore the path of a specimen from the time it is collected to the time it becomes a part of the Museum’s collection.

In this 60-minute live session, scientist Bill Stanley dissects and prepares a specimen for the collection. Throughout the broadcast Bill connects important elements of the preparation process with key classroom topics such as: the scientific process, anatomical structure, and the collection and analysis of data. Students can ask questions throughout the session via chat. Supports NGSS science practices.

Sessions occur on October 8 and 9, November 5 and 6 at 10:30am and 1:30pm. Pre-registration is required. Cost is $125 for up to 35 students or $250 for 35 or more students. For more information or to register, visit fieldmuseum.org/schools/virtual-visits.
Professional Development

EDUCATOR OPEN HOUSE

Thursday, October 24, 5pm - 8pm

Celebrate the start of the school year with The Field Museum! See Opening The Vaults: Wonders of the 1893 World’s Fair before it opens to the public! Talk with Museum experts, meet scientists and learn about cutting-edge research. Check out new materials from the N. W. Harris Learning Collection and head back to school with artifacts and specimens for the classroom.

Every educator will receive a special discount on a Harris Learning Collection membership, plus the chance to win amazing raffle prizes including gift cards and a massive haul of school supplies.

FREE. Open to preK-12 educators. Earn 3 CPDUs. Pre-registration required. Visit fieldmuseum.org/schools/educator-workshops or call (312) 665-7500 to register.

N. W. HARRIS LEARNING COLLECTION PROFESSIONAL DEVELOPMENT SERIES

Join us on the third Saturday of select months from 10am to 12pm for a crash course on teaching with real specimens and artifacts in your classroom and related content. Sessions cover a variety of themes appropriate for grades preK-12 and feature materials exclusively from the Harris Learning Collection.

FREE. Open to preK-12 educators. Earn 2 CPDUs per session. Visit harris.fieldmuseum.org for dates and more information or email harris@fieldmuseum.org.

FIELD AMBASSADORS

Join a professional learning community at The Field Museum to explore the Museum’s resources and develop best practices in using museums to support student learning. Visit behind-the-scenes with scientists to learn about our collections and collaborate with museum educators to integrate our science with your curriculum.

FREE. Open to preK–12 educators. Earn 30 CPDUs and graduate credit. For more information, visit fieldmuseum.org/schools/field-ambassadors.

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

From Evolving Planet to The Ancient Americas, there are lots of exciting reasons to visit The Field Museum with your students. Pre-registration is required for all school groups visiting permanent exhibitions. For a listing of all current exhibitions, visit fieldmuseum.org/happening/exhibits/browse. See pages 18-19 for field trip registration and pricing.

PERMANENT EXHIBITION RESOURCES

FIELD TRIP PLANNING GUIDE
Get your hands on Museum maps, a planning checklist, strategies to focus learning at the Museum, sample worksheets, exhibition recommendations, and chaperone resources in our Field Trip Planning Guide. Visit fieldmuseum.org/schools/field-trip-planning to download this great resource.

EDUCATOR GUIDES
The Museum’s Educator Guides provide detailed information to help you plan focused field trips to a few of our newest permanent exhibitions. Each guide provides an exhibition introduction, gallery overviews, guiding questions, and pre-during-post field trip ideas. Download these resources at fieldmuseum.org/schools/educator-guides.

DIGITAL LEARNING RESOURCES
Extend your field trip through our digital learning resources! From podcasts about Field Museum science to games that engage students in exploring key science concepts, connect with us online at fieldmuseum.org/schools/digital-media-learning.

LOOKING FOR RESOURCES TO GUIDE YOUR STUDENTS THROUGH FIELD MUSEUM EXHIBITIONS?
We are developing and testing easy-to-use guides that will focus your students’ learning during a field trip. Aligned with Common Core State Standards and Next Generation Science Standards, the guides will engage diverse learners in exploring fun, memorable themes in select exhibitions. We will be testing these tools throughout the school year. Interested in helping us test these guides? Email educators@fieldmuseum.org.
Temporary Exhibitions

Temporary exhibitions are open for a limited time and require a ticket with specified entry time in addition to general admission, unless otherwise noted. Tickets are available on a first-come, first-served basis. See pages 18-19 for registration and pricing details.

STATE OF DECEPTION: THE POWER OF NAZI PROPAGANDA
November 6, 2013 – February 2, 2014
How did the Nazi party so successfully use propaganda to win support in Germany's democracy after World War I? How did propaganda help implement radical programs in the 1930s, and justify war and mass murder under a dictatorship state? This exhibition challenges visitors to define propaganda. View original artifacts, experience powerful media programs, and understand how propaganda has worked in the past and today. This exhibition is included with general admission and does not require a special ticket.

State of Deception: The Power of Nazi Propaganda was produced by the United States Holocaust Memorial Museum. The United States Holocaust Memorial Museum exhibitions program is supported in part by the Lester Robbins and Sheila Johnson Robbins Traveling and Special Exhibitions Fund, established in 1990.

Generous support provided by The Crown Family.

SCIENCE, OFF SCRIPT: TEENS TAKE THE FIELD
Now through January 12, 2014
Follow some extremely cool teens through a hilariously frenetic, scientifically rigorous, totally creative 5-day summer filmmaking experience. This ground-breaking Field Museum exhibition features original storyboards and props designed by youth, as well as real Museum artifacts and the ground-breaking scientific research that teens were allowed access to for their films. Science, Off Script: Teens Take The Field is a chance to see The Field Museum’s collection and research like never before: through the eyes of teens. This exhibition is included in general admission and does not require a special ticket.

This exhibition was organized by The Field Museum.

The programs featured in this exhibition have been developed in partnership with The Field Museum and the New Learning Institute of the Pearson Foundation.

BUNKY ECHO-HAWK: MODERN WARRIOR
September 27, 2013 – September 28, 2014
Contemporary artist Bunky Echo-Hawk’s live painting events, colorful skateboard decks, and design partnership with Nike all debunk stereotypes about Native Americans today. By merging Native American images with pop culture references, Echo-Hawk uses humor to shed light on current issues facing Native American communities. See what happens when this artist, activist, and traditional Pawnee singer draws inspiration from historic Field Museum collections. This exhibition is included with general admission and does not require a special ticket.

This exhibition is organized by The Field Museum and co-curator Bunky Echo-Hawk.

This project is made possible by a grant from the U.S. Institute of Museum and Library Services.
OPENING THE VAULTS: WONDERS OF THE 1893 WORLD’S FAIR

October 25, 2013 - September 7, 2014

Luring millions to Chicago in 1893, the World’s Columbian Exposition was a glittering showcase of architecture, culture, technology, and peoples from around the world. Now, 120 years later, The Field Museum is opening its hidden collections to display incredible artifacts and specimens that will bring to life one of the most spectacular occasions in the Windy City’s history. Discover how the fair was the triumphant debut of The Field Museum, and how its legacy lives on.

Opening the Vaults: Wonders of the 1893 World’s Fair was created by The Field Museum.

Lead Sponsors: Allstate Insurance Company, Exelon, UL

EDUCATOR OPEN HOUSE

Thursday, October 24, 2013
5pm - 8pm

Visit Opening The Vaults: Wonders of the 1893 World’s Fair before it opens to the public! See page 5 for more details. FREE. Open to preK-12 educators. Earn 3 CPDUs. Pre-registration required. Visit fieldmuseum.org/schools/educator-workshops or call (312) 665-7500 to register.

N. W. HARRIS LEARNING COLLECTION

Get up-close with real artifacts and specimens through the Harris Learning Collection! Educators and parents can choose from over 1,500 materials to borrow for use in their classroom or home. For more information, see page 17. The following materials connect directly with this exhibition:

Experience Boxes (hands-on kits): World Percussion, Northwest Coast Peoples

Exhibit Cases (mini dioramas): Tea, Pyralin, Beef By-Products, Shell Buttons

MOBILE TOUR APP

This fall, The Field Museum will launch a mobile tour itinerary application that will expand your experience both within the walls of the Museum and beyond by allowing you and your students to interact with unique and exclusive content, artifacts, specimens and experiences on your mobile devices. The first tour developed will feature Opening the Vaults: Wonders of the 1893 World’s Fair. Visit fieldmuseum.org to learn more!
THE MACHINE INSIDE: BIOMECHANICS

March 12, 2014 – January 4, 2015

Imagine if your jaws could crush over 8,000 pounds in one bite, your ears could act as air conditioners, and your legs could leap the length of a football field in a single bound. From the inside out, every living thing—including humans—is a machine built to survive, move, and discover. Investigate the marvels of natural engineering in The Machine Inside: Biomechanics. Explore how plants and animals stay in one piece despite the crushing forces of gravity, the pressure of water and wind, and the attacks of predators. Using surprising tactics, creatures endure the planet’s extreme temperatures, find food against fierce competition, and—without metal, motors or electricity circulate their own life-sustaining fluids. Feel for yourself how hard a giraffe’s heart works to pump blood up to its head. Try to fly and study the many different ways creatures jump, gallop, slither, and swim. And see technological breakthroughs—like Velcro, wind turbines, and chainsaws—that were inspired by nature’s ingenuity. Discover how evolution is Earth’s greatest innovator, only at The Field Museum.

The Machine Inside: Biomechanics was developed by The Field Museum, Chicago, in partnership with the Denver Museum of Nature and Science.

Lead Sponsors: Illinois Tool Works Foundation and The Searle Funds at the Chicago Community Trust

MULTIMEDIA TOOLKIT

We are developing a suite of educational tools directly aligned with the Next Generation Science Standards. A variety of cool resources will be accessible online when the exhibition opens, including a Whyville environment. Visit fieldmuseum.org/schools after March 12th to learn more.

N. W. HARRIS LEARNING COLLECTION

Get up-close with real artifacts and specimens through the Harris Learning Collection! Educators and parents can choose from over 1,500 materials to borrow for use in their classroom or home. For more information, see page 17. The following materials connect directly with this exhibition:

Experience Boxes (hands-on kits):
- How Seeds Travel
- Built for Flight
- Bird Beaks and Feet

Exhibit Cases (mini dioramas):
- Birds’ Beaks
- American Beaver
- Mackerel
Programs for Grades PreK–2

**PLAYLAB PROGRAMS**

The Crown Family PlayLab, an exhibition designed for children ages 2–6, offers endless opportunities for young visitors to express themselves, make their own discoveries, and be a scientist for a day. To visit the PlayLab, all student groups must pre-register for one of the PlayLab programs listed below. Walk-ins are not allowed. PlayLab programs are available Mondays, Thursdays, and Fridays at 10am or 11am, October 1–May 30. Cost is $2.50 per student, unless otherwise noted. Maximum of 35 students per program. Register for PlayLab programs online at fieldmuseum.org/schools/field-trip-programs.

**PLAYLAB: SELF-GUIDED EXPLORATION**

Young adventurers, explore the Crown Family PlayLab! Choose from a variety of activities, from prepping and cleaning SUE the T. rex’s bones to grinding corn in a Pueblo. Free for pre-registered groups. Supports IELS Goals 11, 14, 17, and 18.

**PLAYLAB: FOSSIL PREP!**

Discover what makes a dinosaur a dinosaur, learn about different fossil types, and help dig out a fossil cast from a field jacket. This program is offered for grades 1-2 only. Supports CCSS.ELA-Literacy.SL.K-2.1-3 and CCSS.Math.Content.K-2.A.1-2. The Crown Family PlayLab is generously sponsored by the Crown family.

**SOIL ADVENTURE**

Explore soils and the critters that play an important role in our underground ecosystem. Programs at the Museum include a guided visit to the Underground Adventure exhibition. Supports NGSS 2-LS4-1.

**GUIDED TOURS**

Get a guided tour of some of the Museum’s most fascinating exhibitions with a trained volunteer tour guide. Maximum of 35 students per tour. Tours are free with pre-registration, October 7–May 9. This program is offered for grades 2 and up. Register online at fieldmuseum.org/schools/field-trip-programs.

**PAWNEE EARTH LODGE**

Learn about traditional Native American Pawnee culture, culture change, and contemporary Pawnee life through a 45 minutes hands-on experience in our Pawnee Earth Lodge. Available Monday through Friday at 10am, 10:45am, and 11:30am.

Tuesdays, Wednesdays and Thursdays from 10am–12:30pm, including 30 minutes for lunch. Register online at fieldmuseum.org/schools/field-trip-programs. Programs at your school are available Thursdays. Register online at fieldmuseum.org/schools/outreach-programs.

© The Field Museum, GN91686_156d
STUDENT PROGRAMS

Engage your students in hands-on investigations and immersive experiences at the Museum or your school by booking a student program! Cost is $4.50 per student. Maximum of 35 students per program. Student programs at the Museum are available Mondays, Tuesdays, Wednesdays and Thursdays from 10am–12:30pm, including 30 minutes for lunch. Register online at fieldmuseum.org/schools/field-trip-programs. Programs at your school are available Thursdays. Register online at fieldmuseum.org/schools/outreach-programs.

EGYPT UNWRAPPED

Examine Egyptian sculptures, listen to myths about ancient gods and goddesses, wrap a mummy replica and examine real mummies through CT scans. Programs at the Museum include a guided visit to the Inside Ancient Egypt exhibition. Supports ILS 16.A.2c.

GREAT FOSSIL HUNT

Identify real fossils and create a dig-pit grid system to record the location of found fossils. Practice making scientific illustrations and inferences about the relationships between prehistoric organisms and their environment. Programs at the Museum include a guided visit to the Evolving Planet exhibition. Supports NGSS 3-LS4-1.

SOIL ADVENTURE

Model the movement of matter through our soil ecosystem and explore the critters that play an important role in decomposition. Programs at the Museum include a guided visit to the Underground Adventure exhibition. Supports NGSS 5-LS2-1.

ART OF ANCIENT POTTERY

Learn about the cultures of the Americas by investigating pottery patterns and materials. Explore how pottery is and was used in daily life, and then make your own pottery using only tools and techniques available to traditional potters! Programs at the Museum include a guided visit to The Ancient Americas exhibition. Supports ILS 16.A.2c.

DOZIN’ WITH THE DINOS

Bring your students and your sleeping bag to explore one of the most exciting spots in town at night! Find out more at fieldmuseum.org/overnights.
EY 3D THEATER

WAKING THE T. REX 3D: THE STORY OF SUE

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 and view a real fossil excavation with Field Museum paleontologists. Cost is $6 per student. Film is available daily at 10:40am. Register online at fieldmuseum.org/schools/field-trip-programs.

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

GUIDED TOURS

Get a guided tour of some of the Museum’s most fascinating exhibitions with a trained volunteer tour guide. Maximum of 35 students per tour. Tours are free with pre-registration, October 7–May 9. Register online at fieldmuseum.org/schools/field-trip-programs.

<table>
<thead>
<tr>
<th>EXHIBIT</th>
<th>DAY</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pawnee Earth Lodge</td>
<td>Mondays through Fridays</td>
<td>10am, 10:45am, and 11:30am</td>
</tr>
<tr>
<td>Dinosaurs</td>
<td>Mondays, Thursdays and Fridays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Indigenous Peoples of the Northwest Coast and Arctic</td>
<td>Mondays and Thursdays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>The Ancient Americas (grades 4-12 only)</td>
<td>Mondays, Wednesdays, and Fridays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Africa (grades 4-12 only)</td>
<td>Mondays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Ruatepupuke II: Maori Meeting House (grades 4-12 only)</td>
<td>Mondays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Inside Ancient Egypt (grade 5-12 only)</td>
<td>Mondays, Wednesdays, Thursdays, and Fridays</td>
<td>10:30am and 11:30am</td>
</tr>
</tbody>
</table>
STUDENT PROGRAMS

Engage your students in hands-on investigations and immersive experiences at the Museum or your school by booking a student program! Cost is $4.50 per student. Maximum of 35 students per program. Student programs at the Museum are available Mondays, Tuesdays, Wednesdays and Thursdays from 10am–12:30pm, including 30 minutes for lunch. Register online at fieldmuseum.org/schools/field-trip-programs. Programs at your school are available Thursdays. Register online at fieldmuseum.org/schools/outreach-programs.

GREAT FOSSIL HUNT

Explore the fossil record and identify patterns in the evolution of organisms. Practice making scientific illustrations and inferences about the change of life forms over the history of Earth. Programs at the Museum include a guided visit to the Evolving Planet exhibition. Supports NGSS MS–LS4–1.

EGYPT UNWRAPPED

Investigate life in Ancient Egypt and the beliefs behind mummification. Listen to myths about ancient gods and goddesses of Egypt, experience wrapping a mummy replica, and examine real mummies through CT scans. Programs at the Museum include a guided visit to the Inside Ancient Egypt exhibition. Supports ILS 16.E.3a(W).

MAPPING THE TREE OF LIFE USING DNA

Investigate how DNA analysis has changed our understanding of the relatedness of life on Earth. Extract DNA in a lab and interview scientists in the DNA Discovery Center exhibition. Supports NGSS MS–LS4–2.

ART OF ANCIENT POTTERY

Learn about the cultures of the Americas by investigating pottery patterns and materials. Explore how pottery is and was used in daily life, and then make your own pottery using only tools and techniques available to traditional potters! Programs at the Museum include a guided visit to The Ancient Americas exhibition. Supports ILS 17.C.3b.

FROM FRYER TO FUEL TANK

Explore what it means to be “veggiepowered” with a visit from our Renewable Energy Vehicle. 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. Supports NGSS MS–PS1–3.

RUNNIN’ ON THE SUN

Explore our Renewable Energy Vehicle and use real fossil fuel specimens to role-play basic parts of a solar panel. Graph the results and examine the efficiency of a solar panel and attempt to improve it through various modifications. Supports NGSS MS–PS3–3.

Support for the Renewable Energy Vehicle provided by The Grainger Foundation.
GUIDED TOURS

Get a guided tour of some of the Museum’s most fascinating exhibitions with a trained volunteer tour guide. Maximum of 35 students per tour. Tours are free with pre-registration, October 7–May 9. Register online at fieldmuseum.org/schools/field-trip-programs.

<table>
<thead>
<tr>
<th>EXHIBIT</th>
<th>DAY</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pawnee Earth Lodge</td>
<td>Mondays through Fridays</td>
<td>10am, 10:45am, and 11:30am</td>
</tr>
<tr>
<td>Dinosaurs</td>
<td>Mondays, Thursdays and Fridays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Indigenous Peoples of the</td>
<td>Mondays and Thursdays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Northwest Coast and Arctic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Ancient Americas</td>
<td>Mondays, Wednesdays, and Fridays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Africa</td>
<td>Mondays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Ruatepupuke II: Maori Meeting</td>
<td>Mondays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>House</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inside Ancient Egypt</td>
<td>Mondays, Wednesdays, Thursdays, and Fridays</td>
<td>10:30am and 11:30am</td>
</tr>
</tbody>
</table>

WAKING THE T. REX 3D: THE STORY OF SUE

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 and view a real fossil excavation with Field Museum paleontologists. Cost is $6 per student. Film is available daily at 10:40am. Register online at fieldmuseum.org/schools/field-trip-programs.

D3D Cinema and The Field Museum present Waking the T. rex 3D: The Story of SUE, sponsored by McDonald’s Corporation.
Programs for Grades 9–12

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

ART OF ANCIENT POTTERY
Learn about the cultures of the Americas by investigating pottery patterns and materials. Explore how pottery is and was used in daily life, and then make your own pottery using only tools and techniques available to traditional potters! Programs at the Museum include a guided visit to The Ancient Americas exhibition. Supports ILS 27.B.4a and 27.B.5.

MAPPING THE TREE OF LIFE USING DNA
Investigate how DNA analysis has changed our understanding of hominin evolution. Extract DNA in a lab, interview real scientists in the DNA Discovery Center exhibition, and explore our collection of hominin remains in Evolving Planet. Supports NGSS HS-LS4-1.

FROM FRYER TO FUEL TANK
Explore what it means to be “veggiepowered” with a visit from our Renewable Energy Vehicle. 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. Supports NGSS HS-PS3-4.

RUNNIN’ ON THE SUN
Explore our Renewable Energy Vehicle and use real fossil fuel specimens to role-play basic parts of a solar panel. Graph results and examine the efficiency of a solar panel. Attempt to improve it through various modifications. Supports NGSS HS-PS3-4.

EY 3D THEATER
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 and view a real fossil excavation with Field Museum paleontologists. Cost is $6 per student. Film is available daily at 10:40am. Register online at fieldmuseum.org/schools/field-trip-programs.

VIRTUAL VISITS FROM THE FIELD
Bring Field Museum scientists to your classroom via live broadcast! See page 4 for details.
GUIDED TOURS

Get a guided tour of some of the Museum’s most fascinating exhibitions with a trained volunteer tour guide. Maximum of 35 students per tour. Tours are free with pre-registration, October 7-May 9. Register online at fieldmuseum.org/schools/field-trip-programs.

<table>
<thead>
<tr>
<th>EXHIBIT</th>
<th>DAY</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pawnee Earth Lodge</td>
<td>Mondays through Fridays</td>
<td>10am, 10:45am, and 11:30am</td>
</tr>
<tr>
<td>Dinosaurs</td>
<td>Mondays, Thursdays and Fridays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Indigenous Peoples of the Northwest Coast and Arctic</td>
<td>Mondays and Thursdays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>The Ancient Americas</td>
<td>Mondays, Wednesdays, and Fridays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Africa</td>
<td>Mondays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Ruatapupuke II: Maori Meeting House</td>
<td>Mondays</td>
<td>10:30am and 11:30am</td>
</tr>
<tr>
<td>Inside Ancient Egypt</td>
<td>Mondays through Fridays</td>
<td>10:30am and 11:30am</td>
</tr>
</tbody>
</table>

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, create a design project inspired by Museum research, and build marketable job skills.

10th-12th grade students with a 3.2 grade point average or higher are eligible to apply by the September 16, 2013 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 October 10, 2013 – April 24, 2014. Questions? Email digitalstudio@fieldmuseum.org.

TEENS @ THE FIELD

We’re on the hunt for enthusiastic teens to volunteer at The Field Museum! For more information, visit fieldmuseum.org/happening/programs/teens/teens-field
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. 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)**

All images © Ernest J. Ramon
Field Trip Registration

REGISTRATION

* Register for field trips and related 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, Crown Family PlayLab, and special temporary exhibitions are ticketed. Review field trip pricing for special exhibitions on page 19.

* Entrance to the Crown Family PlayLab requires pre-registration for a 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.

* Reserve lunch space in the Siragusa Center. A $65 fee per group 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.

* Programs at schools are only available to schools located within 60 miles of The Field Museum.

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. Basic admission is $15.

* 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 14 days prior to your visit. 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 an email confirmation within two weeks, please call 312.665.7500 or email fieldtrip@fieldmuseum.org as soon as possible, M-F, 9am–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

<table>
<thead>
<tr>
<th>Basic Admission</th>
<th>Basic Admission + Underground Adventure OR 1 Ticketed Exhibition</th>
<th>Each Additional Ticketed Exhibition or 3D Film</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students from pre-registered organizations in Chicago</td>
<td>FREE</td>
<td>FREE</td>
</tr>
<tr>
<td>Illinois students from pre-registered organizations outside of Chicago</td>
<td>FREE</td>
<td>$6</td>
</tr>
<tr>
<td>Teachers and chaperones necessary to meet the required chaperone ratio</td>
<td>FREE</td>
<td>FREE</td>
</tr>
<tr>
<td>Teachers and chaperones in excess of the required chaperone ratio</td>
<td>$13.50</td>
<td>$21.50</td>
</tr>
</tbody>
</table>

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

**STUDENT PROGRAMS (AT THE MUSEUM AND AT SCHOOLS)**
312.665.7548 studentprograms@fieldmuseum.org

**EDUCATOR PROGRAMS & SCHOOL PARTNERSHIPS**
312.665.7425 educators@fieldmuseum.org

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

© The Field Museum, GN51683_078d
The Field Museum and the

Next Generation Science Standards

The Next Generation Science Standards* (NGSS) weave together science and engineering practices, content specific standards (disciplinary core ideas), and overarching themes (crosscutting concepts.) The Field Museum is striving to make sure that all of our resources and tools align with the new science standards soon to be adopted throughout the nation. Here are ways we are doing just that!

N. W. HARRIS LEARNING COLLECTION

Scientists study objects and so can your students! The Harris Learning Collection is a great way for students to engage in science practices such as making observations and analyzing data. Connect with Harris staff for ideas on how to align the collection or your curriculum with NGSS. harris.fieldmuseum.org

FIELD TRIPS

Field trips are a fantastic way to engage students in scientific practices such as carrying out investigations and asking questions. Students can explore a variety of life, physical, and earth and space science topics that align with NGSS in our exhibitions. For field trip planning tips and tools, visit fieldmuseum.org/schools/field-trip-planning.

STUDENT PROGRAMS

Explore Field Museum collections with a museum educator! Our programs for students, offered at the Museum or your school, related to fossils, DNA, soils, and renewable energy directly support NGSS performance expectations. For more information, visit fieldmuseum.org/schools/student-programs.

VIRTUAL VISITS

Take your students on a journey they won’t forget with this interactive digital experience that puts the science practices into live action. Explore the path of a specimen from the time it is collected to the time it becomes a part of the Museum’s collection. For more information, visit fieldmuseum.org/schools/virtual-visits.

ONLINE RESOURCES

Connect to The Field without getting on the bus! Upcoming temporary exhibitions will offer a variety of educational tools aligned with NGSS. Visit our exhibitions online at fieldmuseum.org/happening/exhibits/browse.

If you have questions about aligning any of our exhibitions, programs, or resources, email educators@fieldmuseum.org. We’re happy to help!

* Next Generation Science Standards is a registered trademark of Achieve. Neither Achieve nor the lead states and partners that developed the Next Generation Science Standards was involved in the production of, and does not endorse, this product.
The American Anthropological Association is proud to present

Anthropologists Back to School

Wednesday, November 20, 2013

Connect your students to anthropologists from across the nation! Spark interest in the field of anthropology and its diverse subjects and perspectives!

This year, the American Anthropological Association (AAA) is hosting their conference in Chicago and want to connect attending anthropologists with middle and high school students from around the city. For one day only, anthropologists will be deployed to various museums and university campus sites in the area. Each site will lead a unique set of activities for visiting student groups—from structured programs to guided exhibition tours and demonstrations.

See below for details about participating organizations, and program themes. All activities are designed for students in grades 6-12. Pre-registration is required and coordinated by individual sites.

**CASA MICHOACAN**
Theme: Mexican Migration and Culture
More information: Visit fedecmiusa.com
Registration and questions: Email fmartinez@fedecmiusa.com

**CHINESE-AMERICAN MUSEUM OF CHICAGO**
Theme: Chinese Immigration and Culture
More information: Visit ccamuseum.org
Registration and questions: Email anita.luk@ccamuseum.org

**THE FIELD MUSEUM**
Theme: Exploring the Power of Cultural Diversity
More information: Visit fieldmuseum.org/schools
Registration and questions: Visit fieldmuseum.org/schools/field-trip-programs.

**LOYOLA UNIVERSITY ANTHROPOLOGY DEPARTMENT**
Themes: Dead Folks Do Tell Tales: Exploring the Human Skeleton; You Are What You Eat: Exploring Human Teeth; Anthropology and Art
More information: Email agrauber@luc.edu
Registration and questions: Email agrauber@luc.edu

**NATIONAL HELLENIC MUSEUM**
Theme: Archaeology Around Greece or Immigration and Culture
More information: Visit nationalhellenicmuseum.org
Registration and questions: Email ctrembly@hellenicmuseum.org

**SOUTH SIDE COMMUNITY ARTS CENTER**
Theme: African American Arts and Culture
More information: Visit southsidecommunityartcenter.com
Registration and questions: Email cnichols@southsidecommunityartcenter.com

**THE ORIENTAL INSTITUTE**
Theme: Our Work: Modern Jobs—Ancient Origins
More information: Visit oi.uchicago.edu/museum
Registration and questions: Email cnghe@uchicago.edu

**UNIVERSITY OF ILLINOIS AT CHICAGO: LATINO CULTURAL CENTER**
Theme: Animating a Mural: Teens Talking Democracy
More information: Email latinocultural@uic.edu
Registration and questions: Email cabrerar@uic.edu