



PHILADELPHIA ZOO

**YOUR PARTNER FOR WILDLIFE DISCOVERY,
CONSERVATION AND ENVIRONMENTAL EDUCATION**

Education Guide 2011-2012



philadelphiazoo.org



Dear Educators,

The Philadelphia Zoo's educational vision is to dramatically deepen our impact on the survival of animal species and the places they live around the world. We believe it is our responsibility to engage and inspire students of all ages in our important work to save species. This school year we are embarking on a new initiative that truly brings this concept to life.

In the 2011-2012 Education Guide, you will see we have highlighted a unique opportunity for your K-12 students to become vital wildlife advocates. Through the Zoo's new UNLESS Contest, students can actively participate in our critical conservation efforts to save orangutans from extinction (see "UNLESS..." page for full details).

In addition to participating in our wildlife advocacy campaign, your students can directly connect with wildlife and the environment through a Zoo field trip or Zoo On Wheels outreach program.

Your students can experience an in-depth discovery of more than 1,300 animals from around the world with a trip to the Zoo. As the region's largest "living classroom," the Zoo is uniquely positioned to support your school curriculum goals. As one teacher recently noted, "The Zoo is an amazing resource. There are so many opportunities for integrating subject/content in a meaningful way for children." The Zoo offers several inquiry and standard-based programs that tie directly to science curriculum and enhance your field trip experience.

Your students can also have a deep connection with wildlife and the environment right in your school setting with a Zoo On Wheels program. Zoo experts travel with an extensive teaching collection of more than 125 animals. These hands-on programs also touch on numerous core concepts covered under PA, NJ and DE curriculum standards.

As you can see there are endless ways to connect with the Zoo. Whether your students are just starting out as "little scientists", or working to become the next generation of wildlife conservation leaders, the Philadelphia Zoo wants to partner with you to create meaningful learning experiences and inspire our next generation of wildlife and environmental stewards.

Sincerely,

Kristen Lewis-Waldron

Kristen Lewis-Waldron
Director of Education



DISCOVER

a lively classroom experience at the Zoo

All Education programs (Pre-K to 12) are curriculum-focused lessons that include an up-close live animal encounter. Programs are available Monday through Friday between 10:15 a.m. and 1:00 p.m.

Early Education Program *Grades Pre-K to 1*

What am I?

Animal classification and senses

PA - 3.2 b, 3.3a, b, 4.3a

NJ - 5.3a, b, c, e

DE - 6, 7

Elementary Education Programs

Grades 1 to 5

Habits and Habitats

Animal adaptations and biomes

PA - 3.1c, 4.1a, d, 4.3a, b, 7.1b, 7.2a,

NJ - 5.3a, b, e

DE - 6, 7, 8

Links of Life

Ecosystems and food webs

PA - 3.1c, 4.1a, b, c, 4.3 a, b

NJ - 5.3a, b, c, e

DE - 6, 7, 8

Middle and High School Programs

Grades 6 to 12

Going, Going, Gone

Threatened and endangered species

PA - 3.1a, c, 4.1a, e, 4.3a, b, 4.5 a

NJ - 5.3c, e

DE - 6, 7, 8

Wildlife and Global Warming

Biological diversity and natural resources

PA - 3.1c, 4.1e, 4.5a

NJ - 5.3c, e

DE - 6, 7, 8

Working with Wildlife

Career awareness and conservation

PA - 13.1a, c, e, g

NJ - 9.3a

Custom Programs

Looking for something customized to meet your curriculum themes?

We can customize an on-site program to meet your educational requirements while providing an exciting Zoo experience. Some topics for early learners may include but are not limited to:

- Animal colors
- Biomimicry
- Animal observations
- Animals in culture
- Guided tour through a specific Zoo exhibit or building*

We can also customize our programs for special needs audiences. To find out more about customized options, please email us at education@phillyzoo.org.

**Available September through February*

Call 215-243-5235 to book your field trip program today!

Zoo Onsite Programs

Available Monday through Friday. Classes can be scheduled at 10:15 a.m., 11:15 a.m., or 12:15 p.m. Capacity is 40 students per class. Over 40 students will be priced as two programs.

Zoo on-site program \$75 plus Zoo admission

Zoo on-site custom program \$100 plus Zoo admission

Call 215-243-5235 to schedule your onsite program today!

Visit our Teachers' Lounge at philadelphiazoo.org for more information.



ENGAGE

your students with Zoo On Wheels



Zoo On Wheels brings your curriculum to life with a 45-minute program featuring live animals and touchable artifacts. Choose a topic below or ask us to customize an experience for your students.

Early Education Program

Tiny Tots *Ages 1- to 3-years-old*

Animal classification and senses
Maximum 15 children per 20-minute program.

PA - 3.2b, 3.3a

NJ - 5.3a, b

DE - 6, 7, 8

Little Zoo On Wheels

Grades Pre-K to 1

Fur, Feathers, Scales and Skin

Classification and adaptations

PA - 3.2b, 3.3a, b, 4.3a

NJ - 5.3a, b, c, e

DE - 6, 7, 8

Eyes, Ears, Nose and Toes

Senses and the environment

PA - 3.2b, 3.3 a, b, 4.3a

NJ - 5.3a, b, c, e

DE - 6, 7, 8

Zoo Safari

Ecosystems and learning through play

PA - 3.3a, b, 4.3a, c

NJ - 5.3a, b, c, e

DE - 6, 7, 8

Elementary Education Programs *Grades 1 to 5*

Habitats in the USA

Animal adaptations and ecosystems

PA - 3.1a, c, 4.1a, d, e, 4.5a, 7.1b, 7.2a

NJ - 5.3a, b, c, e

DE - 6, 7, 8

Who's Who at the Zoo

Endangered species and adaptations

PA - 3.1a, c, 4.1a, d, e

NJ - 5.3a, b, c, e

DE - 6, 7, 8

Middle and High School Programs *Grades 6 to 12*

Climate Change Alert

Endangered species and sustainability

PA - 3.1 c, 4.1a, e, 4.5a

NJ - 5.3c, e

DE - 6, 7, 8

Animal Action Lab

Science investigation and data analysis

PA - 4.1a, e, 4.5

NJ - 5.3c, e

DE - 1, 5, 8

Zoo Careers and Career Day Programs

Career awareness and conservation

PA - 13.1 a, c, e, g

NJ - 9.3a

Tiny Tots*

Ages 1- to 3-years-old

20-minute program,
up to 15 children.....\$275

Little Zoo On Wheels*

Grades Pre-K to 1

45-minute program,
up to 40 children.....\$275

Zoo On Wheels Class Visit*

Grades 1 to 12

45-minute program,
up to 50 students\$275

*Extra same-day, same-site
visit for all programs listed
above.....\$100

Zoo On Wheels Assembly Program

Grades 1 to 12

45-minute program,
up to 300 students\$450

Extra same-day, same-site
assembly.....\$250

Animal Action Lab

90-minute program,

up to 50 students\$325

Call 215-243-5353 to book your Zoo On Wheels program today!



INSPIRE

the next generation of wildlife stewards

Class Contest — Service Learning Opportunity for your Students

“UNLESS someone like you cares a whole awful lot, nothing is going to get better. It’s not.”
— *Dr. Seuss, The Lorax*

We know you and your students truly care a lot about the future of wildlife and the environment. Now here is your chance to take action by joining the Philadelphia Zoo’s “UNLESS Contest” focused on saving endangered orangutans.

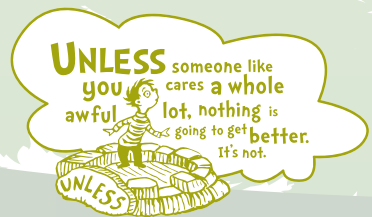
UNLESS Contest Overview

Imagine **your students** working directly with the Philadelphia Zoo to help save orangutans from extinction. These amazing apes are found only on the islands of Borneo and Sumatra.

The conversion of forest for agriculture and the growing threat of palm oil plantations are the most pressing issues facing orangutans today. Orangutans have lost approximately 80% of their habitat in just the last 20 years. There are only about 55,000 orangutans remaining in Borneo and approximately 6,600 left in Sumatra. Experts estimate that orangutans could be extinct in the wild in as few as 25 years.

UNLESS... your students become positive wildlife advocates for change! One of the major issues for orangutans is deforestation due to palm oil plantations. Palm oil happens to be a product ingredient found in everything from packaged goods to soap and cosmetics. In *The Lorax* book, “A Thneed’s a Fine-Something-That-All-People-Need.” Palm oil is the present day version of a “Thneed”. Palm oil is in ice cream. It’s in shampoo. It’s in chocolate. It’s in cookies too.

Most people aren’t aware of this, so the simple solution is to become a part of the UNLESS Contest. This K-12 student contest will raise awareness about the connection of palm oil to the survival of orangutans!





UNLESS...

Grades K-5 "UNLESS" Contest (Art Contest focus)

Guidelines: Create a piece of artwork that tells the conservation story of the endangered orangutan. Artwork should include the following:

- An image(s) of orangutans
- Where do they live and what do they need to survive?
- Why are they endangered (please address the palm oil issue).
- What are the actions you can take to help?

Art/Contest Criteria:

- Be creative – artwork can be any visual medium. Participants must be able to submit actual artwork to the Zoo no larger than 20" x 30" (vertical or horizontal) or a photo of the artwork that has been displayed in the school.
- Please keep in mind the Zoo would like to have the winning piece turned into a poster.
- Artwork should be incorporated into a school-wide campaign to raise awareness about the connection between orangutans and palm oil.
- Judging will be based on creativity, impact, originality and the most effective campaign, including awareness methods used and number of students reached.
- Each class or club (up to 40 students) should submit one representative art piece.

Grades 6-12 "UNLESS" Contest (Multimedia/ action station focus)

Guidelines: Develop a multimedia project or action station display that shows the connection between palm oil and orangutans. The project should include the following:

- Link palm oil production and human consumption to the plight of the orangutan.
- Describe ways people can help save orangutans by being informed consumers.
- When discussing solutions, focus on certified sustainable palm oil and positive advocacy.

Multimedia/Action Station Display Criteria:

- Be creative! Multimedia project can utilize video, social media and/or website.
- Action Station Display can be visual (done in a science fair format), mechanical or digital. Display must be transportable.
- Projects should be incorporated into a school-wide campaign to raise awareness about the connection between orangutans and palm oil.
- Judging will be based on creativity, impact, originality and the most effective campaign, including awareness methods used and number of students reached.
- Each class or club (up to 40 students) should submit one representative multimedia project or one action station display.

Visit our Teachers' Lounge at philadelphiazoo.org to apply. Please email education@phillyzoo.org for more details.



WE CARE...

about saving orangutans.

Class Contest Prizes (see inside for more details)

Prizes for K-5 and 6-12 UNLESS Contests

- Upon completing the application process, a Zoo expert can visit your class to introduce the Unless Contest.
- Your class will be eligible for a FREE field trip (includes Zoo admission for up to 40 students/4 chaperones)* to the Zoo in December or January to see the orangutans and meet an expert at the exhibit. This will be your opportunity to share a progress report on your project.
- The top three winning classes (K-5 and 6-12) will be invited guests (including FREE admission for up to 40 students/4 chaperones)* to the Zoo's Spring launch of *The Lorax* experience.
- The top three winning classes (grades K-5) will be given a monetary prize.
 - 1st place \$1,000
 - 2nd place \$500
 - 3rd place \$250
- The top three winning classes (grades 6-12) will be given a monetary prize.
 - 1st place \$2,000
 - 2nd place \$1,000
 - 3rd place \$500

**Transportation is not included in the winter/spring field trips to the Zoo.*

Deadlines

- Application deadline is October 28, 2011
- Final submission of project/contest results is February 29, 2012
- Final award results will be announced on March 19, 2012



Join us for the Lorax experience
at the Philadelphia Zoo, Spring 2012