



2013-2014

SCHOOL AND TEACHER PROGRAMS

AT THE MARYLAND ZOO IN BALTIMORE

PROGRAMS OVERVIEW

The Maryland Zoo offers a variety of on-campus and outreach programs to meet the educational needs of teachers and their students. School programs are designed to support Maryland State Curriculum Standards in science and social studies and Common Core State Standards in reading and math, with a focus on environmental literacy. All programs can be adapted to meet the needs of students and teachers upon request.

ON-SITE PROGRAMS

FREE SELF-GUIDED ZOO TREK

This interactive visit to the Zoo engages children with the animals and habitats of Africa and the sub-Arctic, as well as the caves, forests, meadows, and wetlands of Maryland. Students can interact with knowledgeable Zoo educators, come face to face with Animal Ambassadors, and participate in hands-on activities designed to support curriculum standards for the State of Maryland.

Self-Guided Zoo Treks are offered for free to all Maryland school groups with advance registration during the school year. School groups include all Maryland K-12 public and private schools, as well as head starts, day cares, and home schooling families.

ZOO INTRODUCTIONS

Kick off your group's *Self-Guided Zoo Trek* with an overview of Zoo exhibits and topics. Students will meet a live Animal Ambassador from the Zoo's special teaching collection and will receive an excellent foundation for a day of learning and fun.

Maximum group size: 100 students
Price: \$125 per program
Program length: 20-30 minutes

GUIDED TOURS

Zoo educators lead students on interactive, informative tours of one of the Zoo's three exhibit areas: Maryland Wilderness, Polar Bear Watch, or African Journey. Tours

include short, engaging activities that reinforce tour content. Tours can be tailored to meet the needs of the school group.

Maximum group size: 60 students

Price: \$5 per student

Program length: 60 minutes

ZOOLABS

ZooLabs are focused learning sessions that last 30 to 60 minutes and highlight animal-related topics. With the use of Animal Ambassadors, hands-on activities, and discussion, Zoo educators lead students through a fun and exciting class that supports curriculum standards for the State of Maryland. Program content can be tailored to fit the needs of the groups. Our most popular ZooLab topics include:

WALK ACROSS MARYLAND

(recommended for grades 1 to 3) 30 minutes
Students explore the habitats of Maryland through games, map activities, and discussion. Animal Ambassadors represent the diversity of Maryland's wildlife and showcase specialized adaptations that Maryland animals need to survive.

CRAZY KRITTER KINGDOM

(recommended for grades 2 and 3) 30 minutes
Explore classification by looking at common characteristics of vertebrates. Students create their own taxonomy using creative story telling then explore mystery boxes to discover which animal class they are working with.

GOT ADAPTATIONS?

(recommended for grades 2 to 5) 30 minutes

Congratulations! You survive! Animals need food, water, and shelter to survive. Learn about the amazing adaptations of animals at the Zoo that enable their wild counterparts to survive in their native habitats.

CRACKING THE CRANIAL CODE

(recommended for grade 3 and up) 30 minutes

Students become detectives using math, inquiry, and keen observation skills to analyze animal skulls and determine the identities, dietary preferences, and sensory adaptations of several animals. Each group of skeletal sleuths presents its results to the class, comparing and contrasting findings.

MARYLAND MYSTERY ANIMAL

(recommended for grades 4 to 6) 30 minutes

Students become wildlife biologists, searching for animals in Maryland. Students look at mock ups of animal weights, skull size, habitat ranges, stomach contents, and tracks, then they use a key to figure out which animals have been spotted in their area.

ENDANGERED SPECIES FIELD STUDIES

(recommended for grade 6 and up) 60 minutes

Species Survival Plans (SSPs) and other zoo conservation projects depend on the careful study of wild populations and their habitats. Participants collect data by applying techniques and technologies used by zoos to study of populations of endangered animals and other wildlife.

WORKING FOR WILDLIFE

(recommended for students grades 6 and up) 30 minutes

Ever wonder what it would be like to work at a zoo? Students explore what goes into working with animals, jobs at a modern day zoo, and learn how to prepare for a career path with animals.

RAINFOREST ZOOLAB

(can be modified for all age groups) 30 minutes

The rainforests of the Earth are one of the most important habitats for human survival. Students explore what constitutes a rainforest, why humans need rainforests, and why deforestation can be harmful for the long term survival of humans and other species.

CLIMATE CHANGE, THE ZOO, AND YOU

(recommended for students grades 4 and up) 45 minutes

Students explore the differences between weather and climate and how changes in the climate can affect everything from a fungus to a polar bear.

ANIMAL BEHAVIOR AND TRAINING

(recommended for high school) 45 minutes

Students get a close look at how Zoos use basic training techniques and principles in psychology to care for animals.

Price: \$125 per program

Maximum group size: 30 students

Program length: 30 to 60 minutes
depending on the program

PLANNING YOUR ON-SITE VISIT

All school groups may enter the Zoo without charge for *Self-Guided Zoo Treks* between August 26, 2013 and June 13, 2014 when proper documentation is provided with a reservation request. During the summer months, the Free Admission program is limited to certain summer school programs.

All school programs are booked via the Zoo's website at www.marylandzoo.org/edzoocation/school-programs/register-your-school. If you have questions, please contact the Education Department at 443-552-5300 or fieldtrips@marylandzoo.org. The Maryland

Zoo offers adults significantly reduced fees when they join their children on a field trip. From August 26, 2013 to April 30, 2014: one adult enters free for every four children, all additional adults pay \$5.00 each. From May 1, 2014 to June 13, 2014: one adult enters free for every four children, all additional adults pay \$11.00 each. To inquire about dates available for ZooLabs, Zoo Introductions, or Guided Tours please call 443-552-5300. For all on-site programs, one (1) adult (teacher or chaperone) is required for every eight (8) children.

ZOO HOURS

The Zoo is open from 10:00 a.m. to 4:00 p.m. daily from March to December and Friday to Monday in January and February. The Zoo is closed Thanksgiving Day and Christmas Day.

WHAT TO EXPECT AT THE ZOO

A Zoo visit is primarily an outdoor walking experience. Please wear comfortable shoes and be prepared for any type of weather. Refunds will not be issued due to weather conditions.

LUNCH AND GIFT SHOP

The Zoo is pleased to offer pre-purchased lunches and gift bags for school groups. Visit www.marylandzoo.org/school-lunch-order-form and www.marylandzoo.org/zooenirs for more information.

PROGRAMS FOR TEACHERS

TEACHER TRAINING

The Zoo offers staff development, in-service, and pre-service workshops throughout the year. Call the Education Department at 443-552-5300 for more information.



TEACHER PLANNING VISITS - FREE!

Prepare for your field trip by touring the Zoo on your own in advance of your visit. To arrange for a free tour, please contact the Education Department at 443-552-5300 or fieldtrips@marylandzoo.org. Please allow four weeks for delivery of a free pass.

JOIN OUR E-MAIL LIST

Stay updated on current educational events at the Zoo by signing up for our free e-mail blasts. To join, go to www.marylandzoo.org/edzoocation/school-programs/register-your-school.

ON-LINE EDUCATION MATERIALS

The Zoo's website is packed with valuable information to enhance Zoo visits and classroom learning. Downloadable resources support curriculum standards for the State of Maryland and include grade-appropriate on-grounds and classroom activities, Zoo scavenger hunts, math and reading worksheets, and conservation education tools. On-line education resources can be found at www.marylandzoo.org/edzoocation/school-programs/education-materials.

TEEN SERVICE LEARNING - JUNIOR ZOO CREW

The Zoo offers teens the wildest summer service learning program in town! Junior Zoo Crew is a fun and rewarding volunteer program for students aged 14 to 17 with an interest in animal care, horticulture, and community service. For four weeks in the summer, teens participate in service projects at the Zoo, help educate visitors about animals and conservation, and learn about wildlife careers. Select participants may have the opportunity to continue as Junior Keepers or Junior Interpreters during the school year. This program fulfills the Maryland graduation requirement for community service hours.

Fee: \$75 registration fee (waived in cases of need)

Deadline for Application: Applications are available in February at www.marylandzoo.org/support-the-zoo/volunteer/youth-programs. Call 443-552-5266 for more information and submission deadlines.

TEEN SERVICE LEARNING - TEEN LEADERSHIP PROGRAM

The Zoo offers high school juniors and seniors the opportunity to learn about careers in the non-profit world. Careers explored include fundraising, marketing, visitor services, volunteer management, finance, human resources, education, and security. On weekends in February and April, teens participate in service projects and group activities with the opportunity to meet with senior Zoo staff and develop job readiness skills. This program fulfills the Maryland graduation requirement for community service hours.

Applications are available in November at www.marylandzoo.org/support-the-zoo/volunteer/youth-programs. Call the Volunteer Department at 443-552-5266 for more information and submission deadlines.

OUTREACH PROGRAMS – WE BRING THE ZOO TO YOU!

The ZOOMobile brings educational programs featuring live animals to your school! Programs are designed to support Curriculum Standards for the State of Maryland in science, social studies, reading, and math. Choose from a wide array of topics, including endangered species, animal classification, and habitat exploration. ZOOMobile programs feature three or four Animal Ambassadors that support the program topic. If you are looking for a program not listed below, please contact us to discuss further options.

PROGRAMS BY TOPIC

RECOMMENDED FOR PRESCHOOL AND KINDERGARTEN STUDENTS

ONE, TWO, WHO'S AT THE ZOO?

What's wild about math? Practice counting skills while exploring the animal kingdom. Appropriate for children ages 2 to 3.

ABC MYSTERY

Alligator starts with an A. Newt starts with a N. What letter does Elephant start with? Learn about animals while practicing the alphabet. Appropriate for children ages 2 to 3.

SENSORY SAFARI

How does a snake smell? How does an owl see? Animal senses come alive as students learn all about how animals use their senses to survive. Appropriate for children ages 2 to 5.

BARNYARD BONANZOO!

Learn all about farm animals, essential goods they provide, and their unique importance. Appropriate for children ages 2 to 5.

THE BIG BOOK OF ANIMAL TAILS

Singing and storytelling bring bright, colorful illustrations – as well as new vocabulary – to life in this program all about tails! Appropriate for children ages 3 to 5.

WADDLE AND WIGGLE

Slither like a snake, hop like a rabbit, waddle like a penguin! Kids get in touch with their wild side while exploring animal movement. Appropriate for children ages 3 to 5.

Maximum group size: 35 participants

Program length: 30 minutes

Price: \$150 plus travel fee, if applicable. Two or more programs scheduled on the same day at the same location can be reserved at \$130 each

RECOMMENDED FOR GRADES 1 TO 3

CRITTER COSTUMES

Children play dress-up and use their powers of observation to explore vertebrate characteristics and classification. Requires 3 chairs for audience participation.

HABITAT HAPPENINGS

Test your knowledge of animals and the places they live. Explore the diversity of worldwide habitats and learn how animals – and humans – survive in different places around the world.

WHO RUNS THE ZOO?

Ever wonder what it's like to work at a zoo? Take an imaginary journey and learn what it takes to make the Zoo run smoothly.

MARYLAND NATIVE SPECIES

Who says you have to travel across the globe to find amazing animals? Learn about the many intriguing animals that live in our backyard!

NIGHT SHIFT

How do nocturnal animals survive in the dark? Test your own sensory skills and meet some Zoo creatures of the night. Requires one electrical outlet in presentation area.

SCALY SKINS

Learn about creatures scaly and slithery! Spend time with cold-blooded Zoo animals and discover what's cool about herpetology.

GOING, GOING, GONE

Every day, more species and habitat vanish. Explore the reasons why and discover how our actions can make a difference.

Maximum group size: 100 participants

Program length: 50 minutes

Price: \$220 plus travel fee, if applicable. Two or more programs on the same day at the same location can be reserved for \$190 each.

RECOMMENDED FOR GRADES 4 AND UP

FEAR: FRIEND OR FOE?

Are you afraid of creatures that crawl, creep, or slither? Should you be? Meet some animals that may turn your fear to fascination.

ON THE WING

Meet some of our feathered friends and learn about their unique adaptations in this exciting program about feathers and flight.

ENDANGERED SPECIES

Endangered species are being pushed toward extinction by threats ranging from pollution to over-exploitation. Meet some endangered animals up close and learn what you can do to help them survive.

Maximum group size: 100 participants

Program length: 50 minutes

Price: \$220 plus travel fee, if applicable. Two or more programs on the same day at the same location can be reserved for \$190 each.

ANIMAL PARTNER PROGRAMS

Show your excitement for our Animal Ambassadors by becoming an Animal Partner! As an Animal Partner, your group will receive the following:

- A visit from the Animal Ambassador during your scheduled ZOOmobile program
- A photo of the Animal Ambassador to commemorate your experience
- A fact sheet and special educational activities for your students
- A subscription to *ZOOgram*, the Zoo's magazine for members
- The knowledge that you support the Maryland Zoo's conservation efforts

PENGUIN PARTNER

\$150 in addition to the ZOOMobile fee.

RAVEN PARTNER

\$100 in addition to the ZOOMobile fee.

Other Animal Partner Programs are available, including snake, turtle, and alligator.

TRAVELING TRUNKS

Let us help you incorporate wildlife into your curriculum with a traveling trunk. Each trunk includes educational materials, activities, and lesson plans that can help your students get wild about learning!

Trunks are appropriate for preschool and kindergarten aged students. The following topics are currently available:

- Senses Discovery
- Prairie Dogs

Fee: \$50, or \$25 with the addition of a ZOOmobile, Guided Tour, or Zoo Introduction program (program fees apply). Additional shipping fees may apply. All traveling trunks are available for two weeks.

PLANNING YOUR ZOOMOBILE VISIT

Programs can be requested via the Zoo's website. Go to www.marylandzoo.org/education/outreach/schedule-a-program.

You can also contact the Education Department at 443-552-5300 or outreach@marylandzoo.org.

ZOOMobiles can be scheduled during the school day or for after-school programs.

THE MARYLAND ZOO IN BALTIMORE'S EDUCATION PROGRAMS ARE GENEROUSLY SUPPORTED BY:

The State of Maryland

The Maryland State Department of Education

The City of Baltimore

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