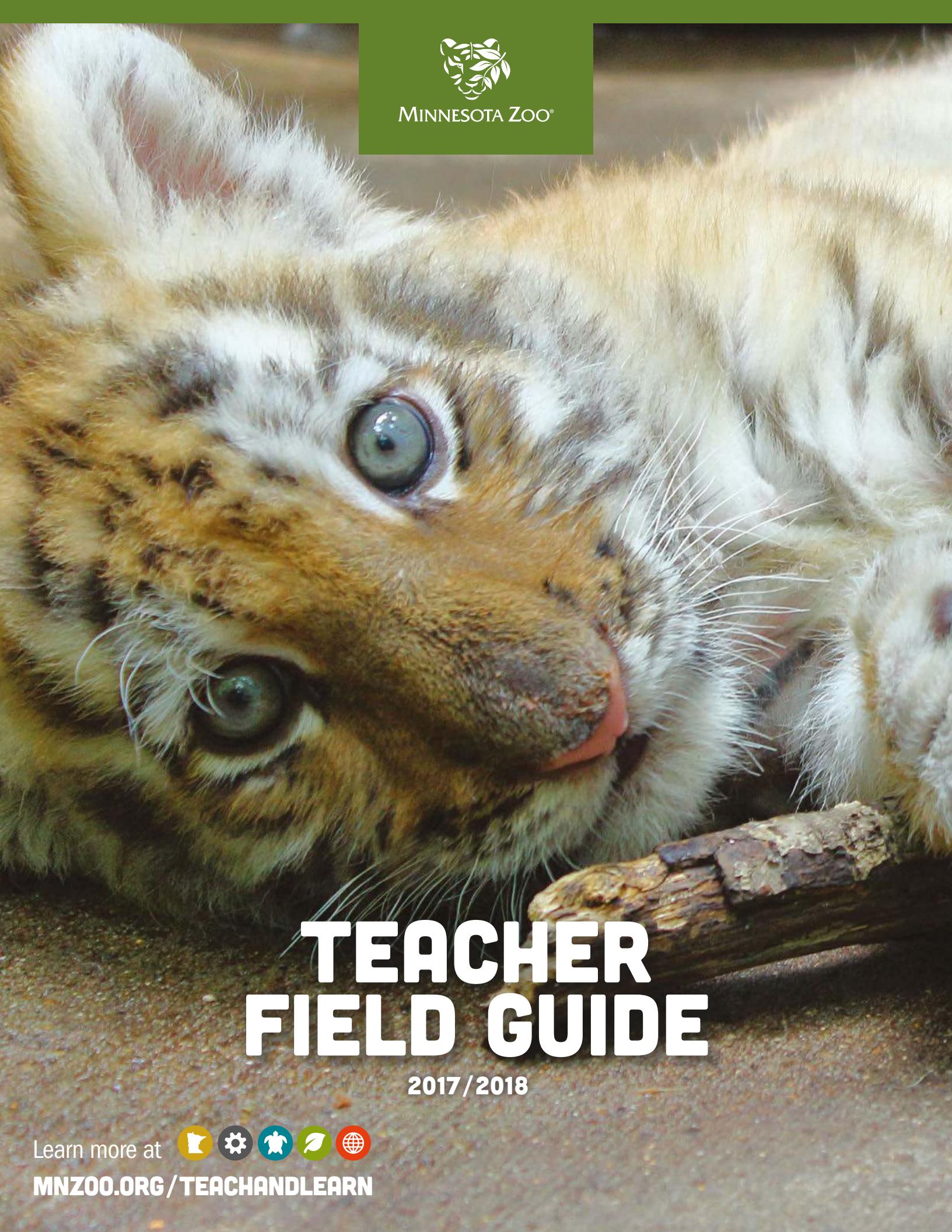




MINNESOTA ZOO®



TEACHER FIELD GUIDE

2017 / 2018

Learn more at



MNZOO.ORG/TEACHANDLEARN

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FINANCIAL ASSISTANCE AVAILABLE!

We are committed to making your visit accessible, including financial assistance programs like our Zoo Explorers and Zoo Bus Fund. These programs provide funds for admission, zoo classes and/or transportation for eligible students.

Apply and plan the perfect field trip at mnzoo.org/teachandlearn or email educate@mnzoo.org. See you soon at the Minnesota Zoo!

DEAR EDUCATOR

Welcome to the Minnesota Zoo, the state's largest conservation education resource. Education programs at the Minnesota Zoo are essential to fulfill our mission to connect people, animals and the natural world to save wildlife.

Our resources add new dimensions to classroom learning with fun, unique, and engaging experiences. We are committed to meeting your needs by providing active, inquiry-based programs designed to support K-12 Academic Standards and 21st century student learning skills.

Throughout this guide you'll find programs for all grade levels focused on a variety of key learning areas. Watch for these icons to create a Minnesota Zoo adventure tailored to your curriculum needs:



MINNESOTA
NATURAL
HERITAGE



STEM
EDUCATION



WATER



ANIMAL
CARE AND
CONSERVATION



ANIMALS AND
ECOSYSTEMS



CLEAN
WATER
LAND &
LEGACY
AMENDMENT



FIELD TRIPS

A day at the Minnesota Zoo offers discovery, learning and more whether you opt for a self-guided experience or select from our menu of programs. A year-round destination that offers both indoor and outdoor adventures, our exhibit areas and trails include:

- DISCOVERY BAY
- MEDTRONIC MINNESOTA TRAIL
- NORTHERN TRAIL
- RUSSIA'S GRIZZLY COAST
- TROPICS TRAIL
- THE SOUTH ENTRY—3M PENGUINS OF THE AFRICAN COAST AND SNOW MONKEYS
- WELLS FARGO FAMILY FARM (SEASONAL)
- HANIFL FAMILY WILD WOODS (SEASONAL)
- CONSERVATION CAROUSEL (SEASONAL)

Register at least two weeks in advance to receive 2017-18 school admission rates. These rates are available for school groups and homeschool guests Monday through Friday, September 1st through June 14th.

PARTICIPANTS

- pre K-5th grade students
- 6th-12th grade students
- College students

PRICING

- \$6 each
- \$8 each
- \$8 each

- Adult Chaperones/Teachers
- Additional Adults
- Parking

- One free adult per 5 paid students
- \$12 each
- \$7 per car or \$10 per bus

For more information and to register, visit mnzoo.org/teachandlearn, email educate@mnzoo.org or call 952.431.9218.

ENHANCE YOUR FIELD TRIP



with customized offerings

GUIDED TRAIL TOURS

Year Round

Led by a zoo naturalist, this one-hour tour will engage middle and high school students in an exploration of exhibit design, animal behavior and management, zoo careers, and conservation. A look behind the scenes is included. Select from the Tropics Trail, Medtronic Minnesota Trail, Russia's Grizzly Coast, or Aquariums.

Fees: \$8 per person plus applicable admission; \$48 per group minimum

MINNESOTA'S NATURAL HERITAGE TOUR

September 6, 2017 to May 11, 2018

Geared for elementary and middle school students, this active 45-minute naturalist led tour of the Medtronic Minnesota Trail highlights the rich natural and cultural history of our great state. Topics and activities support Minnesota's social studies and science standards.

Fees: \$4 per student plus applicable admission; \$48 per group minimum

ZOOMS ENGINEERING LAB

Year Round

Immerse students in the world of engineering at the zoo in this customized single or multi-day residency. Students will leave with a deeper understanding of how STEM is applied at the Minnesota Zoo.

Fees: \$25 per student per day; \$250 per day minimum plus applicable admission fees

WINGS FINANCIAL WORLD OF BIRDS SHOW

October-April

This 30-minute program features a variety of birds from around the world emphasizing their natural abilities, the diversity of species on our planet, and the importance of natural habitats.

Fees: Free with admission; suitable for all ages

HAWAIIAN MONK SEAL DEMONSTRATIONS

Daily

Connect with these critically endangered marine mammals and their trainers in their Discovery Bay habitat, the only place to see these amazing animals outside of Hawaii.

Fees: Free with admission; suitable for all ages

IMAX EDUCATION FILMS

Year Round

Explore space, the environment, and the many wonders beneath the ocean on Minnesota's largest screen. Affordable, flexible reservations for schools make IMAX movies a great addition to your field trip. Call [952.997.9714](tel:952.997.9714) or email kalbers@imax.com. Visit imax.com/Minnesota for more information.

Fees: \$6-7 per person (documentary film)

IMAX LUNCH BREAK

Year Round

Enjoy a short IMAX documentary while you eat your lunch. More information available at mnzoo.org/teachandlearn.

SPECIAL EVENTS AND OVERNIGHTS

SCHOOL SPECIAL EVENT DAYS

Zoo exhibits serve as the backdrop for creative learning in multiple areas of study. Immerse your students in a specialized topic, whether it's applying math in the zoo, exploring zoo careers, or learning about animals in the world language of the day. Complete information and pricing at mnzoo.org/teachandlearn.

Event	Dates	Fees (includes admission)	GRADES K-5	GRADES 6-12
Homeschool Day	Oct 4, 2017	\$9	\$11	
Math Day—Elementary	Nov 1, 2017	\$9	\$11	
Math Days—Middle School	Nov 7 and 8, 2017	\$9	\$11	
Japanese Language Day	Dec 5, 2017	\$9	\$11	
French Language Day	Feb 6, 2018	\$9	\$11	
German Language Day	Feb 7, 2018	\$9	\$11	
Spanish Language Days	Feb 13 and 14, 2018	\$9	\$11	
Zoo Careers Day	Mar 14, 2018	N/A	\$11	
American Sign Language Day	Apr 19, 2018	\$9	\$11	

ANIMALS AFTER DARK OVERNIGHTS

Select Dates throughout the Year

School overnights provide you and your students with an exciting evening of activities and behind-the-scenes tours. In addition to this unique animal experience, Animals After Dark programs include dinner, an evening snack, breakfast, and t-shirts for all participants. Choose from an Oceans overnight (maximum of 60 people; offered November-May) or a Forest overnight (maximum of 30 people; offered April-May). Learn more at mnzoo.org/teachandlearn.

Fees: \$49 per participant; \$100 deposit required at time of registration

CLASSROOM RESOURCES

These in-depth curricula serve as resources to help you and your students get the most out of a field trip to the Zoo. Download activities from our Teacher Resources page at mnzoo.org/teachandlearn.

STEM TEACHER RESOURCES

Bridge the gap between the classroom and the Zoo with this in depth STEM experience. You and your students will learn about the impacts of human engineering and technology and the consequences that animals now face in their natural habitat.

MINNESOTA TEACHER RESOURCES

A great accompaniment to any unit on Minnesota history, wildlife, environments, or biology. Engaging classroom activities prepare students to later explore the Zoo's Medtronic Minnesota Trail and learn about how Minnesota's natural and cultural history are intertwined.



SELF-GUIDED FIELD TRIP RESOURCES

Keep your students focused and learning with age-appropriate scavenger hunts and activities. Download materials from our Teacher Resource page at mnzoo.org/teachandlearn.

GRIZZLY TREK

Scavenger Hunt for Russia's Grizzly Coast

STEM TREK

Self-Guided Activities for the Tropics Trail

MINNESOTA TREK

Self-Guided Activities for the Medtronic Minnesota Trail



MINNESOTA ZOO®



The Zoo Math and Science (ZOOMS) Program reveals just what it takes to engineer a modern zoo. Looking through three different lenses: Engineering FOR Animals (exhibit design), Engineering FROM Animals (biomimicry), and Engineering BY Animals (animals as engineers), ZOOMS provides the opportunity to apply important science, technology, engineering, and math (STEM) concepts to real world situations using the Minnesota Zoo as a context.

ZOOMS DESIGN CHALLENGE

From designing an animal enrichment to building a model of a renovated animal exhibit, the ZOOMS Design Challenge encourages students to use their science and math knowledge, creativity, problem-solving and research skills in order to come up with the best solution to a real problem faced by Zoo staff. Select students will be invited to showcase their designs at the ZOOMS Design Challenge Exhibition on March 20 or 22, 2018.

Interested teachers should register for the ZOOMS Design Challenge Teacher Workshop on September 26, 2017.

ZOOMS FIELD TRIPS AND OUTREACH PROGRAMS

Look for the  STEM icon throughout the Teacher Field Guide for programs that are part of ZOOMS!

ADDITIONAL OPPORTUNITIES FOR TEACHERS

For nearly 40 years, the Minnesota Zoo has been a valuable partner to teachers across the State and around the country. Visit mnzoo.org/teachandlearn to discover all the ways we can support and inspire the work you do!

EDVENTURES—Travel to local and exotic destinations around the world with a Minnesota Zoo educator.

TEACHER DISCOUNTS—Educators always enjoy a 20% discount on educational materials at the Zoo's gift store; simply show your School ID to a cashier.

FREE EDUCATOR PREVIEW PASSES—Test drive your scheduled field trip with an advance visit to the Zoo. Contact our School Scheduler at educate.mnzoo.org or 952.431.9218 to arrange your visit.

MNZOO TEACH & LEARN TIMES ELECTRONIC NEWSLETTER—This bimonthly publication features program updates, event information, exhibit news and more. Sign up on our website.

RECYCLE FOR RAINFORESTS

Take advantage of this great opportunity to introduce students to an authentic conservation project with tangible results. Recycle cell phones to protect rainforest habitats. Participating groups will receive a starter kit with educational resources and more!

More information available at mnzoo.org/cell.



BRINGING THE ZOO TO YOU



service to the state and beyond

Geography is no barrier to participating in a Minnesota Zoo education program. Zoomobile ensures that, wherever your classroom may be, the Minnesota Zoo can be there, too!

MINNESOTA ZOOMOBILE

Our team of Zoo naturalists travel to schools throughout the state of Minnesota (and beyond!) bringing live animals, biological artifacts, storytelling and more. Zoomobile programs create a dynamic, personal and fun experience for students of all ages.

CLASSROOM PROGRAMS

45-minutes; up to 30 participants

During hands-on, interactive classroom programs, participants explore topics and engage animals up close.

Fees: \$150 each, minimum fee \$325. Additional mileage fees may apply.

TOPICS INCLUDE:

PRE K-2ND GRADE

Animals in Motion
Critter Clothes—What Animals Wear and Why
Winter Animals
Animal Tales

3RD-12TH GRADE

Birds, Bugs, Reptiles or Mammals
Endangered Species
Skull Science
Tropical Forests
Minnesota Wildlife
Wetlands/Habitats
So You Want to be a Zoo Keeper

LARGE GROUP ASSEMBLY PROGRAMS

45-minutes; up to 300 participants

Assembly programs are a dynamic, educational and fun way to teach students about animals, ecology, and the environment. Presentations can be adapted to all age/grade levels.

Fees: \$325 first program, \$175 for additional programs (same day and location). Additional mileage fees may apply.

TOPICS INCLUDE:

All Things Connected
Cool Animals of the North
Tropical Rain Forests
Nocturnal Adaptation
Animals and Engineering

VISIT [MNZOO.ORG/ZOOMOBILE](http://mnzoo.org/zoomobile) FOR MORE INFORMATION AND CALL 952.431.9228 TO REGISTER.

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