STEM AT THE ZOO

ZOOMS WORKSHOP FOR INFORMAL EDUCATORS
APRIL 24–26, 2017

ENHANCE AND EXPAND STEM PROGRAMMING AT YOUR INSTITUTION!

Join us this spring for a three-day workshop held at the Minnesota Zoo. This professional development opportunity is offered to informal educators from zoos and aquariums that are looking to expand their institution's STEM programming and implement the ZOOMS model, our own zoo-based integrated STEM program. We will explore the role of zoos and aquariums in providing high-quality STEM education, give examples of the programming we offer through ZOOMS, and provide tools and resources that you can take back to your home institution.

OVERVIEW OF ZOOMS

Through the Minnesota Zoo's Math and Science (ZOOMS) Program, participants discover just what it takes to engineer a modern zoo. 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 for learning. Through topics such as Engineering FOR Animals (exhibit design), Engineering FROM Animals (biomimicry), and Engineering BY Animals (animals as engineers), participants are challenged to consider and tackle the complexities in both the natural world and constructed environments. The ZOOMS professional development program shows educators how to integrate standards-based ZOOMS resources, design challenges, and field trips into their curriculum to better equip students with the STEM skills to engineer and problem- solve just like zookeepers, exhibit designers and conservationists at the Minnesota Zoo.



MINNESOTA ZOO®

Engineering a modern Zoo ZOOMS! through math & science

WORKSHOP OBJECTIVES:

1. Define integrated STEM education and describe how zoos and aquariums can provide authentic STEM learning experiences.
2. Give examples of activities and areas of study for each of the three prongs of the ZOOMS program: engineering by animals, engineering from animals, and engineering for animals.
3. Gain tools and resources to implement the ZOOMS program, specifically the ZOOMS Design Challenge—an authentic, zoo-based, long term, integrated STEM project at your own institution.

MINNESOTA ZOO

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ABOUT THE MINNESOTA ZOO

Opened in 1978, the Minnesota Zoo is home to more than 4,700 animals-many endangered- in award-winning exhibits. Located on 485 rolling acres in Apple Valley, Minnesota, the Zoo features miles of outdoor trails and the largest indoor interconnected zoo exhibits in the country. As the largest environmental learning center in the state, the Zoo serves nearly a half million students annually through its innovative and engaging conservation education programs.

REGISTRATION	FEES	DEADLINE
Receive half off the second registration when you bring a coworker from the same institution.		
Early Bird Registration	$550	February 1st, 2017
General Registration	$650	March 23rd, 2017

REGISTRATION FEES INCLUDE:

- Daily access to the Minnesota Zoo
- Breakfast and lunch each day
- One group dinner at a popular Minneapolis restaurant
- Round trip shuttle transportation between hotel and zoo and to group dinner
- Behind the scenes experiences and private lectures
- Hands-on integrated STEM activities and take home ZOOMS Design Challenge resources.

To register, visit mnzoo.org/stem. Registration and payment must be completed online. Payment by credit card is due at the time of registration.

LODGING/TRAVEL

WORKSHOP DATES: MONDAY–WEDNESDAY APRIL 24–26, 2016 8:00 A.M.–4:00 PM
ACCOMMODATIONS: RADISSON BLU—MALL OF AMERICA

Connected by skyway to the Mall of America, the Radisson Blu offers guests access to a state-of-the-art fitness center and saline swimming pool, free parking, complimentary guestroom internet access, complimentary airport shuttle service, and mini-refrigerators in every room. Located just 11 miles from the heart of downtown Minneapolis, guests can explore the twin cities with easy access to the Minneapolis Light Rail.

A block of rooms has been set aside for a group rate of $169/night. Guests may also reserve rooms by calling 1.800.333.3333 and asking for the Minnesota Zoo room block rate. The cutoff date for guests to reserve at the special group rate is Thursday, March 23rd, 2017. Rooms are available for a maximum of four nights at this rate between Sunday April 23rd and Thursday April 27th.

The workshop kicks off at 8am CST Monday and concludes at 4:00 pm CST on Wednesday.
Please plan your flights accordingly.

FOR MORE INFORMATION, CONTACT:

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