



Spring Fever 2006 *Teacher's Guide 5th-8th*

Welcome to RHWA's Spring Fever. Every Wednesday and Friday through the months of April and May students will experience hands-on interactive stations while enjoying their field trip. Stations are set up at various points in the zoo to celebrate animal diversity. Every station has activities for every grade level and meet Kansas State Science Standards. Stations begin at 9:30 and conclude at 12:30 so be sure to plan on stopping by and participating during your visit.

Stations and their Location

<u>Walking with Apes</u>	<u>Inside Ape Viewing Area</u>
<u>What big ears you have!</u>	<u>Lower Bear Viewing Area</u>
<u>Waste Not- Want Not</u>	<u>Rhino Barn</u>
<u>SSSSoooo Long</u>	<u>Inside Reptile Viewing Area</u>
<u>Side by Side</u>	<u>Inside Anteater/Aardvark Viewing Area</u>

Kansas Science Standard:

Observe the diversity of living things and relate their adaptations to their survival or extinction

Walking with the Apes

While visiting Robbie B., Rusa and 'the boys' at the ape building students will observe the apes and discuss what adaptations they have to survive in their natural habitat. Why do they have such long arms and big hands? Puppets and knuckle-walk appendages are used by the students to demonstrate why the apes have the adaptations they do. An orange orangutan is camouflaged? This and other questions about the adaptations and survival of the great apes will be answered at this interactive station.



"My what big ears you have!"

Students won't get a whiff of Goldilocks's porridge but they will test their sense of smell at this interactive station. Using wolf and bear pelts and biofacts students will explore hibernation, heat dispersement and their many other adaptations that have enabled them to thrive in the wild. Can they survive the human impact though? Volunteers will guide this insightful discussion.

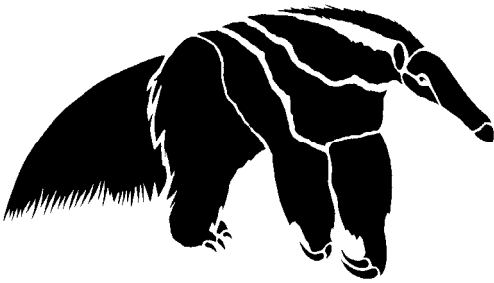
Waste Not- Want Not

No, the camel doesn't store water in its hump but the camel is a walking adaptation. Students will experiment with water loss through the simple act of breathing and compare the waste of nutrients between camels and rhinos. Rhinos may be big and have poor eyesight but don't let that fool you. Students will observe many adaptations and discover why one of which is valued by man.

SSSSoooo Long

Visit the Reptile Building and students will observe our two pythons are different yet alike. How will the difference effect them in the wild? How important is camouflage to a species survival? Volunteers will introduce students to two different types of camouflage at this eye tricking station.

Side by Side



Which is it? An anteater or an armadillo? Alike in many ways yet very diverse, students will examine these fascinating misunderstood creatures through biofacts and scent activity. Strong claws and an excellent sense of smell are some of the adaptations these animals employ in their survival. Is it enough? Find out which of these animals is endangered and why at this *scentsational* station.

*******Pre-Visit Activities*******

Here are some pre-visit activities you might want to do with your class before visiting RHWA to get them into the 'swing' of things.

Here at RHWA we are home to many endangered and vanishing animals. Please introduce these terms to your students before visiting: *threatened, endangered, vanishing, extinct & vulnerable*. They will hear and see these terms throughout the day. You may even have them research and list some animals that are found in these categories by going to our website; www.rollinghillswildlife.com.

Give each student an imaginary planet/habitat. They will then design an animal with the appropriate adaptations to survive in that ecosystem. Students can either write a descriptive paragraph or illustrate their animal explaining the animal's adaptations using our website.

