

TK/KINDERGARTEN: NATURE EXPLOSION FIELD TRIP

SIOUX COUNTY CONSERVATION BOARD

PRAIRIE WOODS NATURE CENTER

What students should bring:

Weather-appropriate clothing

Tennis shoes or hiking boots

Water bottle for drinking water (optional)

What teachers should bring:

First aid kit, Kleenex, hand sanitizer

Sunscreen/bug spray (optional)

One or more adult for every

5-6 children

Contact for scheduling:
Assistant Director/
Environmental Education
Coordinator
Sunday Ford

Field trip leaders
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Field Trip Overview

Nature Explosion Field Trips are designed to highlight many topics. Includes nature hike and learning stations that cover a broad range of topics.

Suggested Field Trip Itinerary

9:30am Arrive at Prairie Woods Nature Center, gather outdoors for hike. **OR** Use east student entrance and head to basement classroom to get organized.

9:30am-11:00 Divide into groups of 5-6 for hike, with one adult assigned to each group. Hike at Oak Grove Park.

11:00-11:45 Lunch and free time in campground.

12:00 Gather in basement classroom, divide into 20-minute stations.

Station Ideas are: Insect Relay Race, Leaf Rubbings, Exhibits, and Tracks Scavenger Hunt

12:15-12:35

12:40-1:00

1:05-1:25

1:30-1:50

2:00-2:30 live animals or game and clean classroom

Standards on backside.



Iowa Core and NGSS met by this Field Trip

K-ESS3-3 Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.

Activity: items will be presented to students before or during the hike. These items are said to be collected by our volunteer, “Bob”, who was kindly picking up trash on the trails. Students will notice that Bob collected natural items as well as trash on accident. Each group will be responsible for returning the nature items to the proper location in the park. We will pick up trash to reduce human impact.

K-LS1-1 Use observations to describe patterns of what plant and animals (including humans) need to survive.

Activity: Students will learn that all animals need food, water, shelter, and space to survive. They will use hand signals to indicate where they observe these things on the hike.

Activity: This is a relay race to find insects in the grass. Which colors are camouflage and which ones are warning colors? We will act like insects during our relay.

***K-2ETS1-2 Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.**

Activity: Although we will not physically sketch or draw, we will take time to look at animal homes, their shapes, and functions on our hike.

K-PS3-1 Make observations to determine the effect of sunlight on Earth’s surface.

Activity: Students will be guided to lift rocks and look under logs in order to observe the difference between plant and animals that need a low amount of sunlight versus plants that need a lot of sunlight. We will note the difference in plants in the prairie with full sunlight and the forest with leaf cover.

*standard partially met

Note: this does not include the many standards met in the professionally designed exhibits, which were designed around NGSS.