

1ST GRADE Nature Explosion Field Trip

SIOUX COUNTY CONSERVATION BOARD

PRAIRIE WOODS NATURE CENTER

What students should

bring:

Tennis shoes or hiking boots

Water bottle for drinking water (optional)

Weather-appropriate clothing

What teachers should

bring:

First aid kit, Kleenex, hand sanitizer

One or more adult for every 6-10 children

Sunscreen/bug spray (optional)

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 be an exciting investigation into many topics that you may cover during the school year. Includes nature hike and hands-on learning stations.

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 6-10 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: Star Stories, Are You Me Game, Mom and Me Activity, Exhibits, Bird Nest Building, Make Your Own Constellation

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

Iowa Core and NGSS met for this Field Trip

1-ESS1-1 Use observations of the sun, moon, and stars to describe patterns that can be predicted.

Activity: During one of our stations, we will have the opportunity to learn constellations and which time of year they can be viewed. We will make our own constellations as well.



Iowa Core and NGSS met for this Field Trip continued...

1-PS4-4 Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over distance.

Activity: We will explore bird sounds and calls, and what they mean on our hike. We will use straws to make turkey calls and explore how to amplify our sound. Binoculars for observing singing birds will be provided by the Naturalist.

Activity: The Mom and Me activity is designed so that students help to pair the “mom” to the “baby” animal using only sounds.

1-LS1-2 Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.

Activity: During our hike we will listen for animal and bird sounds and make educated guesses about the reason for the sound based on the pitch, volume, and frequency of the sound. We will determine if the animal is using its sound for attracting a mate, warding off intruders, begging for food, or needing help from its mother.

Activity: During the Mom and Me activity, students will use their sound at a designated pitch, volume, and frequency in order to communicate a need for survival. This will be a way to practice what we learned on the trail.

1-LS3-1 Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.

Activity: This standard will be met when we compare young and old plants and animals such as trees and snails. During the hike, we will observe leaves on designated plants and determine which leaves are young and which are old. We will then compare young plants to older plants.

Activity: Are You Me? is a matching game between moms and their babies. Many of the pairs look alike, and many are different.

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: Groups will find the proper location for a bird’s nest and build the nest using clothespins for beaks. We will have a tour of homes if time allows.

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