

2ND GRADE MAPLE SYRUP (Seasonal)

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
Sunday Ford
sundayf@siouxcounty.org
712/551-6780
Sarah Davelaar
sarahd@siouxcounty.org
712/551-6715

Field Trip Overview

Collecting sap and making maple syrup is a way to connect students with tradition and the link between people and land. We will discover the process and taste the outcome.

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: Tapping, Tree Id, Boiling/Tasting, Human Tree

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 by this Field Trip

2-PS1-1 Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

Activity: During the tree identification lesson, we will be classifying trees according to their properties.

2-PS1-4 Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.

Activity: Maple sap boiling results in removing water in the form of vapor from sap, creating syrup. We will discuss what happens if we boil too long, not long enough, etc.

2-LS2-1 Plan and conduct an investigation to determine if plants need sunlight and water to grow.

Activity: During the stations we will make a human tree to experience how water moves through a tree.

Activity: During the stations, we will tap a tree and learn why a tree needs sunlight and water to grow, and how they store their reserves.

2-LS4-1 Make observations of plants and animals to compare the diversity of life in different habitats.

Activity: Diversity of plants and animals will be discovered during the hike. This includes the most common places to find maple trees based on elevation and soil.

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