



Cycle 1: Origins

Lyndale Park Field Study- October 2017

Origin is defined as the point or place where something begins. As we develop our origins as a Base Camp Community we will also explore and learn the origins of the Chain of Lakes in Minneapolis. We will explore Lyndale Park in Minneapolis, connecting with nature, developing and discovering our roles in the environment.

Imagine 2.6 million years ago our great state covered in ice sheets 5,000-10,000 feet thick, the continental glaciers spreading over Minnesota during the Great Ice Age. The ice age lasted until 11,700 years ago. As they melted and receded they brought large amounts of rock material from the North. Old river valleys were filled and hills were formed as conditions changed. The Minneapolis lakes landscape has such an origin.

Prior to the 1800's the Chain of Lakes was an important part of the hunting and fishing territory controlled by the Mdwakantanwan, a division of the Dakota-speaking people. The Native American history of the area is rich. While visiting the park look for the stone placed near Lake Calhoun Parkway, placed there to acknowledge and recognize the first inhabitants of Minneapolis, the Dakota Sioux. There is also a bronze marker near Lake Harriet marking the first school in the area, the Lake Harriet Mission School founded in 1835 to serve the children of the Dakota settlement. Let's honor the area's origins as we explore, learn and enjoy the beauty of nature and the lakes.



After this field study you will be able to:

- Come to seminar prepared to share my ideas because I have read the required material.
- Have constructive conversations through the use of seminar
- Locate, identify and describe major physical features in Minnesota.
- Use your science skills to observe and collect data while exploring the Roberts Bird Sanctuary

What will you do:

- Participate in seminar to discuss the naming of Lake Calhoun to the indigenous name, *Bde Maka Ska*
- Create poetry and have the opportunity to perform it in front of peers
- Explore the environmental connections to Lyndale Park through tours led by experts.
- Build community with members of your class

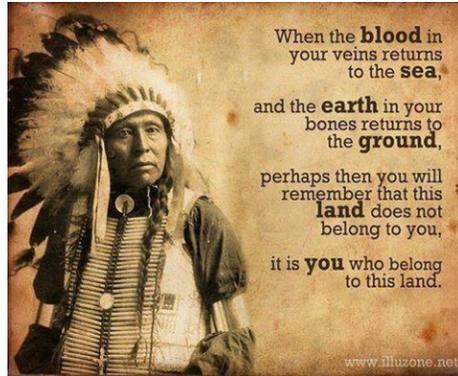
Schedule:

Pre-Field Study	During Field Study	Post-Field Study
Community Meeting	Community Meeting	Community Meeting
Citizen Science	Birding/Rose Gardens/Pollinator Garden	Reflection Circle
Expectations	Seminar	Thank you notes to Sherry Brooks, (Parks Visitor Coordinator)
Seminar Preparation	Poetry Workshop	Closing Ceremony
	Math Relays	Self Reflection Rubric and Goals

Greeting: How would you rate how you feel for today's experience?

<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Low energy, Nervous, Tired	Tired, unsure of what to expect but might be able to be convinced.	Need time to adjust into school mode, but looking forward to today.	Curious to know more about what today brings and looking forward to it.	So excited! Ready to learn, ready to have fun

Reflection for today:



BEFORE EXPECTATIONS

What to wear and bring to Lake Harriet:

1. _____
2. _____
3. _____
4. _____
5. _____

What to expect at Lake Harriet:

1. _____
2. _____
3. _____

Science

Getting Ready to Visit Roberts Bird Sanctuary

Guiding Questions:

- How do parts of an ecosystem interact?
- How can you measure the health of an ecosystem?
- How can we contribute to citizen science?



Objectives:

- Explore the history of the area and the goals, mission, and purpose of the bird sanctuary.
- Observe and record data on different populations and their interactions in an ecosystem.
- Investigate threats or negative impacts on the health of the ecosystem.

History of the Thomas Sadler Roberts Bird Sanctuary:

Read the quote and participate in the lesson on the Thomas Sadler Bird Sanctuary and Citizen Science -discuss and answer the questions below.



“To know the birds by name, to watch for them to learn their habits and songs, and to regard them as valued friends, brings the wish to protect them and to throw around them all possible safeguards. In this direction, rather than in multiplying laws, which are difficult to enforce, lies the promise that the waste of our wild life may be effectively checked, and that conditions resembling, in some degree at least, those of former days may be restored.”

Thomas Sadler Roberts 1858-1946 (The Birds of Minnesota, 1932)

What is a bird sanctuary?

Who was Thomas Sadler Roberts?

What is citizen science and why do we do citizen science?

English

Standard: Writers refine selected pieces to publish for intended audiences.

<p>In an ACROSTIC POEM, a writer uses each letter in a specific word that is associated with that word.</p> <p>We will be doing name poems. For each letter of your name, think about a <i>person, place, thing, or event</i> that is important to you.</p>	<p>Example: Mr. Brian</p> <p>Born in Minneapolis</p> <p>Rokia and Julian, my children</p> <p>Interested in travel, languages, and culture</p> <p>Angered by injustice and the politics of now</p> <p>Nature is my home</p>
<p>Your Name Poem</p>	<p>Mystery Name Poem</p> <hr/>

Social Studies -- (Please read and annotate).

Minneapolis Park Board votes to change Lake Calhoun name to Bde Maka Ska

By [Faiza Mahamud](#) Star Tribune staff

MAY 5, 2017 — 1:23PM

Lake Calhoun may be a name that disappears into history.

The Minneapolis Park Board on Wednesday voted unanimously¹ to change the name of the city's landmark lake to Bde Maka Ska, its original Dakota name, in a nod to American Indians who lived near the lake and a repudiation of lake namesake John C. Calhoun, a vice president who was an ardent² supporter of slavery.

"I can't think of a more fitting tribute to the Minnesota veterans of the Civil War buried at Lakewood Cemetery, across from the lake, or the Dakota people who were exiled³ from their homes than to remove the name of the man who was the architect of so much violence against them from our most beloved lake," said District Commissioner Brad Bourn.

The push for Bde Maka Ska ("White Earth Lake") — which won't be official until it wins approval at the county, state and federal level — is a switch for the Park Board and comes after years of debate. Advocates of the change had argued that the lake, once the site of an important Dakota village, should not be named after Calhoun, the country's seventh vice president, who signed the Indian Removal Act⁴.

The lake has been called Calhoun for at least 197 years.

¹ **Unanimously**--everyone agreed to it

² **ardent**--enthusiastic

³ **Exiled**--expelled or deported, kicked out

⁴ On May 28, 1830, President Andrew Johnson signed a law that allowed the US Government to take control of all American Indian territories west of the Mississippi that were in state boundaries. A few tribes left peacefully, but many tribes resisted. In the end, the US Government relocated tens of thousands of American Indians by marching them from the southeastern area of the US to what is now Oklahoma. There were over 4,000 deaths of Cherokee, Choctaw, and Seminole peoples.

The Park Board earlier settled on bestowing two names on the lake, changing signs to say both Lake Calhoun and Bde Maka Ska, but reconsidered that decision after Yale University announced in February that it would remove Calhoun's name from one of its residential colleges. The changes are part of a national trend away from place names that honor racist or otherwise fraught⁵ figures.

Park Board officials also got a 2015 nudge from an online petition that demanded the lake not bear the name of a slavery proponent⁶.

"I feel overwhelmed," said Syd Beane, a descendant of Cloud Man, a Dakota leader. Beane has been involved in efforts to honor Dakota presence at the lake. "John Calhoun overshadowed the legacy⁷ of our ancestors," he said.

Not everyone on the board initially favored the change.

Park Board President Anita Tabb, whose district stretches from the riverfront to the city's western border and Lake Calhoun, was not present at Wednesday's meeting. She previously said the change "doesn't really address problems of equity" and could be a start down a slippery slope.

Michael Wilson, who served on the Park Board's advisory committee, said he voted against dropping Calhoun's name from the lake.

"I object to stripping away that part of our shared history," he said. "I strongly support also recognizing the history of the native people who love this beautiful place by using the dual name."

At Lake Calhoun, many people expressed support for the change.

"We're in a position socially and culturally where we can accept the past but move forward," said Amanda Clark of Minneapolis. "I don't think we need to have any loyalty to a name just because it's established."

But some weren't convinced Bde Maka Ska would catch on.

⁵ **fraught**--upsetting

⁶ **proponent**--supporter

⁷ **legacy**--history

“For quite a while it will be called Lake Calhoun, because everybody knows that,” said Steph Meyer of Mendota Heights, who supports the change.

Timmie Beverly of Minneapolis, said the name shouldn’t be changed because it sets a precedent.

“I understand why they are changing it, but what else are they going to change?” he said.

For the change to be final, the Park Board needs to send a request to the Hennepin County Board, which would have to hold a public hearing, vote to approve the change, then make a proposal to the Minnesota Department of Natural Resources (DNR). The DNR would have to appeal to the U.S. Board of Geographic Names for final approval.

Pete Boulay, who handles naming requests for the DNR, said he sees four to five geographic name changes a year but, “they’re not all controversial like Calhoun.”

Even if the Park Board changes the name legally, he said, it’s up to locals to accept it. Boulay suggested the board shouldn’t rush to erase the Calhoun name before the new name passes all the required steps.

“They can change the signs when they want to,” he said. But, “I would wait for the state’s decision before replacing the signs.”

Arlene Fried, co-founder of the Minneapolis Park Watch, a watchdog group, is among those who aren’t ready to accept the change. “You can remove the name Lake Calhoun from the signage,” she said, “but it will stay with us forever.”

The board also approved the Calhoun-Harriet Master Plan for the two lakes. A new sailing school and the temporary north boat launch were among improvements the Park Board weighed in on. After pushback, the Park Board added back into the plan an at-grade trail and sidewalk crossing of W. Lake Street west of E. Calhoun Parkway.

Gabriel Sanchez, who contributed to this report, is a University of Minnesota student on assignment for the Star Tribune.

Questions to Consider Before Seminar

1. Why is the Minneapolis Park Board changing the name of the lake?

2. What do people dislike about the name "Lake Calhoun?"

3. What are the specific reasons people want the name of the lake to stay?

- a.

- b.

- c.

**4. What is your personal opinion--Do you think the name of the lake should change or stay?
Why?**

Math:

Standard: I can assess if my answer is reasonable.

Overview of Math Station: The goal of this station is for you to use your math skills in a new and fun way! You will be using movement, math concepts, and teamwork to solve the task at hand.

Before the trip, you're task is to answer these questions to be BEST prepared for the task! (Hint, it will help your chances of winning!)

1. What are the steps to solve one-step equations? (Hint: use your notes)

2. How do you solve order of operations problems?

3. How do you solve exponential problems, for example what would you do to find the value of 2^3 ?

AFTER REFLECTION

Self Reflection Rubric

For each quality, march yourself **O for outstanding**, **P for proficient**, or **D for developing**. Reflect on your experiences with our community during our field study. Write down a specific goal that you would like to work on before our next outing.

Qualities	Outstanding!!	Proficient!	Developing	Self-Assess (O, P, or D)
Aware	Asks questions, helps others, stays involved, listens all the time, pays attention to surroundings	Asks some questions, helps others when asked, listens most of the time	Do not ask questions to clarify even when confused, is unwilling to help others yet, listening some of the time	
Open Minded	Always accepts others' differences, considered everybody's point of view, gives and receives constructive feedback.	Accepts most people's differences, considered some people's point of view, receives constructive feedback.	Unwilling to accept the differences in other yet, does not consider other's point of view, has a difficult time with constructive feedback	
Reflective	Is willing to give and receive feedback and makes changes to behavior, takes reflective questions seriously, is willing to share with everybody	Is sometimes willing to give and receive feedback, but does not change behavior, takes reflective questions sort of seriously, is willing to share with friends	Is not willing to give or receive feedback, it not willing to make changes to behavior, does not take reflection questions seriously yet	
Effective Communicator	Always listens before speaking, has excellent volume control, makes sure everybody is heard, always stays on topic	Sometimes listens before speaking, has good volume control, sometimes invites others to share, mostly stays on topic	Does not listen before speaking, does not invite others to share, is often off topic	
Responsible	Always does the work, take initiative, helps others willingly, puts forth effort, is resilient (tries again) and goes beyond the minimum without being asked	Mostly does the work, sometimes takes initiative, helps others when asked to, puts forth effort, and goes beyond the minimum if asked	Only does some of the work, does not help others, does not take initiative, and does not go beyond the minimum	

My Goal for our next field study:

It is important I achieve my goal because _____

To reach my goal I will _____

Map of Lyndale Park:

