



The Almanac

A newsletter of Wolf Ridge Environmental Learning Center

May 2014 Volume 38 Number 2

BRANCHING OUT: Supporting STEM education in the Minneapolis School District

by Shannon Walz, Wolf Ridge Education Director

Buses pull up, students file off and head into school. However, this is not your normal school day – it is Saturday. This spring, Wolf Ridge has had the exciting opportunity to partner with the Minneapolis School District in their Saturday School to provide support for students who are, almost, but not quite there, with their science skills.

Saturday School is an outcome of the Shift initiative adopted by the Minneapolis School District last May. The goals of Shift are to provide learning experiences that encourage student growth and support. The Saturday School program was designed to provide mid-year support for students that may not be performing up to standard. Funding for the program came from integration funds.

Part of the change includes reaching out to partners to help achieve success in education. Sara Etzel, the STEM Coordinator for the Minneapolis School District, was looking for partners to provide instruction for Saturday School this spring. She was looking for hands-on, experiential and fun ways to engage students in science. Enter Wolf Ridge. Sara had brought her family to Family Camp at Wolf Ridge many times and thought that a Wolf Ridge experience was just the thing students needed to build science skills and



Soil testing.

increase their engagement in science. Inspired by these past experiences a partnership was formed.

This spring Wolf Ridge Saturday School is happening at Andersen Elementary. The programming focuses on STEM (science, technology, engineering, and mathematics) concepts for 6th-8th grade students. Many of the students participating in Saturday School came to Wolf Ridge as 5th graders as part of their class trip. The positive experiences that the students had previously at Wolf Ridge drew many of them to the program. Throughout

the program the students are provided a blended experience of Saturdays at school as well as time spent at Wolf Ridge for a weekend in the spring and a week in summer.

The focus of this spring's curriculum is scientific observation and inquiry with a content focus of plants. Students are discovering the importance of plants in ecosystems as well as basic plant physiology, to help them understand what plants need in order to grow. The students have been learning through the use of the scientific method. When students come to Wolf Ridge, they

continued on page 3

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ENVIRONMENTAL LEARNING CENTER

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VIEW FROM THE RIDGE

by Peter Smerud, Executive Director



What's the best part of my job? Getting to hear and tell the powerful stories of Wolf Ridge. I love it and never grow tired of it.

This is true. If you walk down the streets of some communities (I can name many) in this region wearing a Wolf Ridge staff jacket, you'll be accosted by kids and parents who will have the heartfelt need to immediately stop you to tell you their Wolf Ridge story. However there are places you can mention Wolf Ridge and the response is only a nod with a polite smile. Wolf Ridge is well underway with distinct, diligent and thoughtful marketing efforts to broaden our scope of influence and awareness, creating even more communities of people that will greet our former staff with life-changing stories of the Wolf Ridge experience.

Branding. At first, to me, it didn't sound like something that is a part of environmental education and not befitting of Wolf Ridge. I was wrong and I learned this with the help of folks from within the Wolf Ridge community and Haberman Modern Storytellers, a marketing firm helping us with this endeavor. We were schooled on our old look, who we are and where we were missing the boat on telling our story. We learned that experiences here are too important to let their memory slip away, and solid branding and marketing will strengthen our community and our impact.

To learn about how people viewed Wolf Ridge, questions were asked of parents, teachers, staff, and students regarding their Wolf Ridge experience. What does Wolf Ridge look like to you? How does it make you feel? What colors come to mind?

What does Wolf Ridge do for people? How do you learn about all that happens here? These are a sample of a few of questions posed. The answers helped us discover exactly what is the Wolf Ridge brand to those who have loved us for years or even those who just met us.

We learned: We're thoughtful, joyful, passionate and inspiring. Wolf Ridge is bold. We're adventurous. It's a place of learning, and life grows here. The day-to-day moments of this place are exciting, cherished, and memorable. There's mystique in our name and majesty in our campus. We're earthy. Wolf Ridge is loud but with intimate moments of silence. We build connections, between people and nature, and perhaps more importantly between each other. We are a place where acquiring knowledge intersects with inspiration. That's Wolf Ridge!

Using that information, for the past year we've been updating the Wolf Ridge brand in many ways, sometimes very subtly and yet with great boldness. Look for emphasis on who and where we are, what happens here, and how that makes you feel. The logo has been updated. We're using stronger and more focused language to describe the impact of a Wolf Ridge experience for a child, college student, or perhaps a community leader. You'll find a new web site that now knows if you're visiting with a phone, tablet, or computer and automatically adjusts the formatting of the web site to your device. I hope you'll also notice the new vibrant, consistent colors and fonts. With the help of the Margaret A Cargill Foundation we're using these elements to move our image beyond our well-known school programs to better tell the stories of summer and winter

camp at Wolf Ridge, all with intent to strengthen these camp experiences for youth.

Wolf Ridge is a very successful school and camp providing life-changing experiences for thousands of children and adults each year. We are also a vibrant thriving business. We are seizing our momentum, adapting to changing audiences and times, and executing efforts for an even stronger future. I hope you like the new looks, colors, messaging and stories of Wolf Ridge. This marketing work has been created from the stories we've heard from you. What greater joy for me than to be part of this process! I hope you join me and embrace Wolf Ridge at even higher levels.♦



Samples of our new look.



THINK OF IT LESS AS
SUMMER CAMP AND MORE AS
A LIFE-CHANGING EXPERIENCE.

Between the ropes courses and moose tracking, it's not just any summer camp. And with trips to Lake Superior, the Boundary Waters and more, adventures await you in every direction. Summer Camps and trips for families and youth. Find out more at wolf-ridge.org.



Adventures in learning.

SUPPORTING STEM

continued from page 1



will be able to see plants in a different environment than in Minneapolis as well as learn about the cultural history of and farming in Finland, MN.

Liz, one of the two Wolf Ridge School Naturalists with the program, describes the student growth she has observed, "I have witnessed student's interactions with instructors and each other change over a period of a few weeks to be more open to scientific inquiry. The students have started to ask questions about not only what we are doing in class, but also why we are doing it. They bring to light insights on how their lives relate to topics like food webs, pH, and water and soil quality. To see the students enjoying getting their hands covered in dirt, creating experiments, and

discussing how they shape their environment makes all the effort we put into the program worth it."

Hopefully, this spring's Saturday School is just the start of a long-term relationship with the Minneapolis School district to provide meaningful science immersion experiences for students who need additional support. The 2013-14 school year is just the first year of the Shift initiative. Programs being piloted this year, such as Saturday School, will be evaluated and then implemented in more schools throughout the district in the coming years.♦

Collecting soil samples.

SCHOOLS & GROUPS

July 1, 2013 - June 31, 2014

Adelante College Preparatory
 Afton - Lakeland Elementary
 Andersen Elementary
 Andersen United School
 Annandale Middle School
 Arcadia Charter School
 Assumption School
 Badger School
 Bancroft Elementary
 Barnum Elementary
 Beacon Academy
 Benilde - St Margaret's
 Bethany Academy
 Bethlehem Academy
 Birch Lake Elementary
 Blue Earth Area Middle School
 Boy Scouts Pack 157
 Breck School
 Bug O Nay Ge Shig
 Carlton High School
 Central Cass Middle School
 Central Lutheran
 Central Middle School
 Chisago Lakes Middle School
 Churchill Elementary
 Congdon Park Elementary
 Coon Rapids Middle School
 Cooper Elementary
 Cowern Elementary
 Cumberland Middle School
 Diamond Path Elementary
 Dugsi Academy
 Duluth/Ely/Grand Rapids Home School
 Ed Visions
 El Colegio Charter School
 Emanuel Lutheran
 Epiphany
 Five Hawks Elementary
 Fox West Academy
 Franklin Elementary
 Friends School of MN
 Girl Scout Troop 25057
 Girl Scouts Group 4054 & 4055
 Glen Lake Elementary
 Glendale Elementary
 Grainwood Elementary
 Great Expectations School
 Heilicher Mpls Jewish Day School
 Heritage E-STEM Middle School
 Hibbing Community College
 Highlands Elementary
 Hilltop Primary
 Hinckley - Finlayson Elementary
 Holy Name of Jesus
 Holy Rosary School
 Holy Trinity School
 Homecroft Elementary
 Hope Community Academy
 Hopkins Summer Field Biology
 Imhotep Science Academy
 Int'l Spanish Language Academy (ISLA)
 Jeffers Pond Elementary
 John Ireland
 Jordan Middle School
 KAREN Group
 Kelliher Public School
 King of Grace Lutheran
 Lakewood Elementary
 Lester Park School
 LoveWorks Academy

Lowell Elementary School
 Loyola Catholic School
 Manvel Public School
 Maple Lake Elementary
 Marquette Catholic School
 Marshall County Central HS
 McGuire Middle School
 Memorial Middle School
 Midway School
 Miliona Science Magnet School
 Mpls American Indian Center
 Moorhead Boy Scout Troop
 Murray Jr High
 New City School
 New London/Spicer Middle School
 Norman County West Elementary
 North Shore Community School
 North Star Academy
 Nyquist School
 Oak Crest Elementary
 Oak Grove Middle School
 Oak Park Elementary
 Odyssey Charter School
 Onamia Jr High
 Orono Intermediate School
 Our Lady of Grace Catholic School
 Our Lady of the Lake
 Park River School
 Prairie Creek
 Presentation of Mary

Providence Academy
 Queen of Peace
 Raleigh Edison School
 Redtail Ridge Elementary
 Renaissance Academy
 Rochester Montessori School
 Rogers Middle School
 Sacred Heart-E Grand Forks
 Sacred Heart-Robbinsdale
 Sanford Middle School
 Sawtooth Mountain Elementary
 Schoolcraft Learning Community
 Shell Lake School District
 Shirley Hills Elementary
 Sojourner Truth Academy
 South High All Nations Program
 South Ridge Elementary
 St Anthony Park - 5th grade
 St Charles Borromeo
 St Croix Catholic
 St Croix Montessori
 St Croix Preparatory
 St James School
 St John the Baptist
 St John the Evangelist
 St Mark's School
 St Mary of the Lake
 St Mary's School-Breckenridge
 St Mary's School-Morris
 St Michael Catholic School

St Michael's Lakeside School
 St Pascal Baylon
 St Patrick School
 St Peter's School
 St Stephen School
 St Thomas More Catholic School
 Stowe Elementary
 Superior Cathedral
 Superior Hiking Trail Association
 Trinity Lutheran/Our Lady of the Prairie
 Triton High School
 Two Harbors High School 6th Grade
 Two Harbors High School Enviro Club
 Valley Middle School
 Valley View Middle School
 Vandenberg Jr High
 Warroad Middle School
 Watershed High School
 Watertown-Mayer Middle School
 Wayzata Central Middle School
 Wayzata East Middle School
 West Central Area Schools
 Westwood Elementary
 William Kelley Elementary
 Willow River Elementary
 Winterquist Elementary
 Wisconsin Wilderness Campus



WOLF RIDGE WEB SOURCE

Whether you are a new school looking to come to Wolf Ridge or have been coming for thirty plus years you can find all the information you'll need for your trip on our website - wolf-ridge.org. For new schools, go to VISIT and click on SCHOOL. Schools can find all sorts of helpful handouts and necessary forms by clicking on RESOURCES and filtering for TEACHER RESOURCES. Examples include: Dining, menus, and special dietary requests, informational handouts for parents, chaperones, and preparing for cold weather, maps of the dorms and campus, packing lists and the liability form in English, Spanish, Hmong, etc. If you are interested in viewing our curriculum options click on EDUCATION and view the CLASS LIST. Explore the website for even more information about our other programs. ♦

The 2015 Wolf Ridge calendar features the outstanding photography of Jim Brandenburg. Jim traveled the globe as a photographer for National Geographic magazine for several decades. His photography has won a multitude of awards including the "World Achievement Award" from the United Nations in recognition of using nature photography to raise public awareness for the environment. Brandenburg has published many bestsellers. Brandenburg's work can be seen on his web page www.jimbrandenburg.com. Calendars are available for \$14.00 for donor members and \$18.95 for non-donor members, including shipping. They are also available at special prices, in lots of 25 for school fundraising and retail resale. Proceeds of all calendar sales directly support children attending Wolf Ridge school programs. Call Wolf Ridge at (218) 353-7414 for more information and to order. ♦

WOLF RIDGE ENVIRONMENTAL LEARNING CENTER CALENDAR 2015



JIM BRANDENBURG

GREEN RIBBON SCHOOLS

In 2012, North Shore Community School, the charter school sponsored by Wolf Ridge, was named among the first ever U.S. Department of Education Green Ribbon Schools (ED-GRS). A Green Ribbon school is a federal recognition award for any school, public or private, or school district, wishing to apply. The schools have to meet and exceed within three areas - *reduce environmental impact and costs, improve the health and wellness of students and staff, provide effective environmental and sustainability education, incorporating STEM, civic skills and green career pathways.*

ED-GRS allows 4 school finalists from each state to be submitted. In 2013, three of the four recipients are Wolf Ridge schools - Jeffers Pond, Heritage E-STEM Middle School, and Prior Lake Savage Area Schools. On April 22, the 2014 awardees were announced. This time two of three were again Wolf Ridge schools - Chisago Lakes Middle School and Five Hawks Elementary School.

Wolf Ridge congratulates all these schools on their incredible efforts in modeling sustainability and environmental awareness in educating tomorrow's leaders. ♦



Joel Vos (10) graduated from UMD with a Masters in Ed in Dec 2013. He is now a permanent employee with the USFWS at AK Maritime Natl Wildlife Refuge. **Ali (Schaefer) Vos (09)** is a special education aide for the Kenai Peninsula Borough School District at a small village in Razdolna, AK. They are welcoming visitors. **Kevin Wier (93)** is the Supervisor of Outreach Education at the MN Zoo. He is living in St Paul, married with two daughters, 8th and 9th grades. **Tom Pearce (13)** and **Anne (Gottwald) Pierce (12)** are leading trail cews in NV. **Sara Sloan (13)** recently landed a permanent parttime position at the Indianapolis Zoo working in the International Orangatang Center as an educator. **Sarah Francis (SU12)** is working for Glacier Natl Park doing geology research. ♦

2014 SUMMER STAFF



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Director of Counselors - Brooke Mueller

Naturalist at Bluefin Bay - Emma Pardini

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SEAK Onsite Coordinator (Twin Cities) - Liz Doane

SEAK - Geneva Martin

SEAK/Murray Naturalist - Mary Beth Factor

Family Programs Coordinator - Eleva Potter

Animal Care & Education Intern - Haley Flom

Counselors

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Sarah Floy

Patrick Freese

Olivia Kinziger

Zoe Pritchard

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Alex Ellison

Hattie Geist

Jacob Heatwole

Matt Hlina

Josh Joriman

Jacob Lindberg

Wilderness Trip Leader/Naturalists

Brandon Liddiard

Meredith Lorig

Eoghan O'Neill

Brandon Trapp

Naturalists

Augustus Arthur

Brian Bohman

Haven Davis

Danielle Hefferan

Mike Krussow

Kristen Reich

Melanie Stewart

Danielle Tikalsky

Farm Interns

Sienna Nesser

Eric Scher

Briana Yablonski

GRAND PORTAGE EXPEDITION

by David Butcher, Wolf Ridge Naturalist

Every year many campers and students get to experience Voyageur Life class when they visit Wolf Ridge. This summer, some campers will get to actually walk in their historic footsteps of voyageurs. The Grand Portage Expedition is a wilderness trip for campers entering 10-12 grade and is a 12 day canoe trip across the Boundary Waters, from Snowbank Lake to Lake Superior, retracing the original route of the famous 18th century fur traders. Some highlights of the trip include exploring forests, waterfalls, learning and practicing wilderness skills, possibly encountering wildlife and, of course, the Grand Portage itself. The Grand Portage is an ancient trail connecting the Pigeon River and the original headquarters of the Northwest Company on the shores of Lake Superior. This eight and a half mile long portage connected the two halves of the vast Canadian wilderness and was tramped by hundreds of voyageurs and by famous explorers like David Thompson, Simon Fraser, and, of course, Alexander Mackenzie. The crew of the expedition gets to cross the portage, canoes and all, on the last day of the trip, ending on the rocky banks of Lake Superior. The Expedition, going from August 4-15, is sure to bring



adventure, great stories, conquered challenges, and deeper friendships. There is still room on the trip for more crew members, so tell a future voyageur about the expedition if they are interested in the trip of a lifetime! For more info, visit our website: <http://wolf-ridge.org/camp/wilderness-trip/>

Vive la compagnie!♦

NAT'L GEOGRAPHIC: HEART OF THE CONTINENT PARTNERSHIP COLLABORATION



by Mary Beth Factor, Wolf Ridge Naturalist

If you have watched the Super Bowl in the last decade, you are likely aware that the commercials have become as much an event as the football game. Companies spend enormous amounts of money for this advertising. Most organizations, businesses, and events do not have Super Bowl size budgets for their marketing especially if they are in rural areas and are fueled by tourism. Recently a group of such organizations came together to form the Heart of the Continent Partnership. They are now working with National Geographic to develop a website to promote geotourism in northeastern Minnesota and northwestern Ontario. (See below to learn more about geotourism.)

Wolf Ridge is a member of Heart of the Continent Partnership. Peter Smerud, Executive Director of Wolf Ridge, is part of the design team for the project and website. Consisting of 14 people, this team will help select groups and events to be displayed on the website. Smerud states, "It is exciting to be working with a diverse group of organizations and people who are invested in getting those visiting the area connected to the land and water."

Organizations such as restaurants, B&B's, local hiking trails, parks, interpretive centers, and events can nominate themselves, or be nominated. Only local organizations will be featured on the website. Wolf Ridge is one of the few non-profit organizations with an education emphasis involved in

this project.

Purposes for this project from can be viewed from two perspectives. As a traveller visiting this area, it is a great resource for anyone planning a trip. For example, if someone is looking for a locally made dish, say lutefisk, an array of restaurants with descriptions and locations will pop up on an interactive map or maybe they want to explore what programs a residential learning center may offer. From a local organizational standpoint, it is a great marketing tool with world wide access through the web.

In the fall of 2014 the National Geographic Heart of the Continent website will become available for your vacation planning. If you are interested in investigating an example of a finished website, several have been completed across North America - the most recent being Crown of the Continent, crownofthecontinent.net/. To nominate your favorite hiking trail or other attraction go to traveltheheart.org♦



The area dubbed "Heart of the Continent" spans 5 million acres, from Duluth into Ontario.



UNEP image

Tourism was once mainly viewed as recreational, leisure, and business. In recent years, the depth of tourism has grown to include a greater sense of immersion within the region visited. A priority is now being placed on conservation, the environment, and the culture within that area. In other words, "What is this place truly about?" Two buzz words currently heard in the world of tourism are ecotourism and geotourism.

Geotourism - is defined as tourism that sustains or enhances the geographical character of a place—its environment, culture, aesthetics, heritage, and the well-being of its residents. (National Geographic) Emphasizes:

- culture and heritage
- well-being of local community
- environment
- provides "sense of place" to visitor

Ecotourism - is defined as "responsible travel to natural areas that conserves the environment and improves the well-being of local people." (TIES, 1990) Emphasizes:

- conservation
- respect for different cultures
- social & economic benefits
- appreciation of local community

PROFILE: Byron Johnson

What is your connection to Wolf Ridge ELC? I have a long connection to Wolf Ridge. In 1983 I first visited the ELC in Isabella as a sixth grader from the Minnetonka school district. I trained in the Student Naturalist program in 1993-94, working various summers. The next few seasons I worked at the Ashokan Field Campus (NY), Sound to Sea (NC), and Eagle Bluff ELC (MN) as a naturalist before returning to Wolf Ridge as the School Program Coordinator on the permanent naturalist staff. I left Wolf Ridge when I got married and moved away. With this move I took on the primary role as stay-at-home parent for our children as well as fielding a variety of part-time jobs: adjunct community college instructor, assistant cross-country coach, barista, bookseller, newspaper deliverer, and greenhouse worker. In the springs of 2010 & 2014 I chaperoned my daughter and son's school trips to Wolf Ridge. Currently I'm writing and drawing the *Wolf Ridge Dissected* comic for the *Wolf Ridge Almanac*.



What is your current occupation(s)? I am transitioning from being a stay-at-home parent by volunteering as an elementary literacy tutor with the Minnesota Reading Corps, an AmeriCorps program. My site is at Lowell Elementary in Duluth, MN. My tutoring duties are part-time. Six years ago I started to explore drawing and took classes to learn about art in a more formal manner than the doodling I did in the margins of my life. I have had my drawings in some local shows in Duluth and continue to explore my creative side. In the rest of my time I work continue to make sure the family has good food to eat and is where they need to be.

Please share a Wolf Ridge ELC memory. As a sixth grader I remember hiking around Flathorn Lake on a tree identification walk. The forest was so lush, mossy, and green. It is my most vivid memory of the sunny sweet vanilla smells of pines mingled with the earthiness of moss. As a chaperone I really enjoyed seeing the wonder and excitement the Wolf Ridge experience can bring to those who have never done or seen anything like this before. Also, the complete exhaustion felt after boarding the bus for the ride home really stood out.

Tell us an item of interest about yourself and about your family. During the 2010-2011 school year my wife had a sabbatical and our family moved to Turkey for a year. We lived in the center of the country in a region called Cappadocia, known for its fantastic geological formations and long history of human habitation (the oldest known city in the world, Catalhoyuk, was less than 4 hours away). We fell in love with the country and its history, people, and food. Jocelyn Pihlaja and I have been married 14 years. We have two children, Allegra (14) and Haakon (11). If you count my water and milk kefir grains and my yogurt starter I have three bacterial pets that I feed and care for on a regular basis.

Can you give us a travel tip? Make sure, at least once during a trip, you do something that you did not plan or expect to do. Preferably, make it something that pushes your comfort zone. It could be not booking a hotel for one night and finding a place to stay when you get to your destination. Or try the grilled lambs intestines the street vendor is selling and all the locals are enjoying. These random and uncomfortable choices tend to make the best and most memorable experiences.



If you could visit with any conservationist/naturalist/environmentalist, living or dead, who would it be and what would you say. I'd like to shake Theodore Roosevelt's hand and thank him for tirelessly working to preserve wilderness areas in the United States. Samuel Snivley, former mayor of Duluth also deserves praise for having the foresight to create parks throughout the city. Both of these men, in times of reckless resource use, had the foresight to preserve land when that was not the trend.

Anything else you would like to share with our readers? The goal of the new *Wolf Ridge Dissected* comic is to examine small and unseen details of Wolf Ridge and illustrate how they support its mission. So many people and elements come together to make the Wolf Ridge experience. They need their time in the spotlight. ♦

NORTHWOODS GHOSTS: THE LYNX

by Mary Beth Factor, Wolf Ridge Naturalist

Ghosts have been spotted at Wolf Ridge this winter. The Canada lynx has earned the nickname "ghosts of the north woods" due to their incredible ability to stay out of sight. In fact, many trackers, biologists, researchers, and naturalists who pursue these incredible mammals as their life work may go through their entire lives without seeing one. So spotting a lynx? Kind of a big deal.

A family of lynx was sighted near the Forest Ecology Building. It appeared to be a female with five kits. Naturalist Ryan Pennesi, who's goal is to get a glimpse of the Canada lynx, placed a trail camera near a highway of snowshoe hare trails near the Baptism River and Sawmill Creek. With a notable boom in the snowshoe hare population in recent years, this was a idea spot to photograph lynx since hares are their primary food source. A few days later, his goal of capturing this elusive feline on film was achieved. "I was hoping for a far off shot along the tree line, but instead several walked right in front of my camera - even more than what I had hoped

for," Ryan states after sharing his photographs coworkers.

Nabbing the attention of the MN DNR and Forest Service with these numerous lynx sightings, Dave Grosshuesch, Forest Service Biological Technician, emailed Peter Harris and Ryan to further investigate. Scat samples were collected and are currently being analyzed to isolate the DNA genome from the scat to map out the family tree of the lynx in the area and possibly see where they were coming from. Results are pending.

How do you tell a lynx from a bobcat, a similar sized predator that is even more wary of humans? Lynx have larger feet and ear tufts. Their tail has a solid black tip while bobcat's tail have stripes toward the end with a black tip.

Presently, the family of lynx have traveled away from Wolf Ridge. Locals have reported a few glimpses around Finland, but just as mysteriously as they came, the ghosts have disappeared back into the north woods. ♦



Trail camera photo of Canada lynx taken February 7, 2014. Camera set by Ryan Pennesi.



PROGRAMS

YOUTH

Our youth camp programs offer unparalleled opportunities to explore clear lakes and streams, develop life-long connections to the natural world, make friends, create memories, and grow in self-confidence. With a wonderfully diverse campus and variety of activities, campers can return year after year for new experiences.

- Summer Sampler:** (2nd-5th gr) June 25-28, Aug 13-16: \$350
- Discoverers:** (4th-5th gr) June 22-28, July 13-19, July 27-Aug 2, Aug 3-9, Aug 10-16: \$550
- Voyageurs:** (6th-7th gr) June 22-28, July 13-19, July 20-26, July 27-Aug 2, Aug 3-9, Aug 10-16: \$550
- Adventurers:** (8th-9th gr) July 13-19, July 20-26, July 27-Aug 2, Aug 3-9, Aug 10-16: \$565
- Ecology Credit Camp:** (10th-12th gr) July 13-Aug 9: \$2000
- Outdoor Explorers:** (6th-7th gr) Aug 10-16: \$600
- Camp Fish: (7th-8th gr) July 13-19: \$600**
- Day Camp:** (1st-7th gr) June 23-27: \$175
- 5-Day BWCAW Canoe:** (7th-8th gr) July 6-12: \$570
- 5-Day Apostle Islands Kayak:** (9th-10th gr) July 27-Aug 2: \$665
- Adventurers BWCAW Canoe:** (8th-9th gr) July 13-26: \$1275
- Adventurers Isle Royale Backpacking:** (8th-9th gr) July 20-Aug 2: \$1275
- Jr. Naturalists Quetico Canoe:** (10th-12th gr) July 13-26: \$1340
- Jr. Naturalists Apostle Islands Kayak:** (10th-12th gr) Aug 3-16: \$1340
- Grand Portage Expedition:** (10th-12th gr) Aug 3-16: \$1370

Camp Shuttle:
Ride from the Twin Cities or Duluth to camp and back. Twin Cities, one way \$100, round trip \$175. Duluth, one way \$50, round trip \$100. Reservations required.



Split Rock Kayak Tours: June- August, Tues. mornings & Thurs. evenings. Check our website for dates. **Fee:** \$59 each, must be 12 yrs or older

Sea kayak past towering cliffs, over shipwrecks, and under the Split Rock Lighthouse. Enjoy a pebble beach picnic.

Family Camp: July 27-Aug 2, Aug 3-9. **Fee:** Adult-5yrs \$398, 4-2yrs \$200, under 2 free.

Imagine a family vacation with no hassles. With over 50 different activities to choose from during your stay, the only question you'll face is, "Which adventure today?"

Family & Group Trips: Call 218-353-7414 to arrange your dates. **Fee:** Up to 4 people \$ 1,800, discounts for more

Learning and laughter are the hallmarks of our custom group and family wilderness trips whether you are hiking, canoeing or kayaking. Wolf Ridge's naturalist guide will teach you all the skills needed to meet the challenges of your trip.

Road Scholar Intergenerational: July 6-11, July 20-25, Aug 10-15. **Fee:** Starting at \$579

Build lasting memories with your grandchildren ages 8-12. Become a voyageur, visit our Ojibwe camp, learn ecology, visit Lake Superior, paddle a canoe, experience our ropes course, and climb our rock wall and much more. Call Road Scholar at 800-454-5768 to register.



FAMILIES

Phenology Adventures

June 27-29 & Oct 10-12
Fee: \$266 for sharing room with one, more for private
Join well known Naturalist and Phenologist, Jim Gilbert on seasonal explorations of Wolf Ridge. An experienced and enthusiastic storyteller, Jim will interpret the phenology of the plants and animals.

Beg. & Adv. Bird Banding Classes

Beg. June 22-29, Adv. June 16-20
Fee: Beg. \$1,594, Adv. \$794 for sharing room with one, more for private
Wolf Ridge hosts the Institute for Bird Populations in conducting these classes. The beginner course is designed to develop skills necessary to participate in projects involving bird banding. The advanced class is for experienced birders wishing to improve their sexing and aging skills by using the *Identification Guide to North American Birds* by Peter Pyle.

ADULTS

EVERYONE

Open House

June 14, 2014 9:00-4:30 **Free**

Join us for a day of outdoor fun at our annual open house. Donor members, locals, and curious travelers are all welcome to enjoy a day of rock climbing, adventure ropes, hiking, canoeing and meet our program animals. Come for all or part of the day. Donor members call by June 10th to reserve your free picnic lunch.

Bird Banding

June 4, 18, 25, July 9, 16, 23, 30 7:00-11:00am **Free**

Since 1993, Wolf Ridge has been part of an international study on bird populations. Come observe and sometimes participate in bird banding. Find us at the Forest Ecology Building on any one of seven summer mornings.

REDUCE YOUR PAPER CONSUMPTION

You enjoy reading the *Wolf Ridge Almanac* but would like to reduce your paper consumption? Problem solved! Contact us at mail@wolf-ridge and let us know that you would like an electronic copy.

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Program Title _____
 Program Dates _____
 Name _____ M / F
 Parent/Guardian Name _____
 Address _____
 City/State/Zip _____
 Phone (home) _____
 (cell) _____
 E-mail _____

FAMILY PROGRAM ATTENDEES

Names and ages

CAMPERS & YOUTH TRIPS

Birthdate _____ Grade entering _____
 T-shirt size: Child S M L Adult S M L XL
 Roommate request _____

Do we have permission to include your camper's name, age and primary phone number on a carpool list sent to other registered participants? YES NO

BECOME A DONOR MEMBER

\$35 \$50 \$120 \$250 \$1000 \$ _____

Your gift supports the Wolf Ridge mission.

WOLF RIDGE CALENDARS

\$14 donor members/\$18.95 non-donor members per calendar (includes postage).

PAYMENT

Registrations must be accompanied by a \$150 non-refundable deposit, family programs \$50/person. Program fee minus deposit due two weeks prior to program start.

Payment Enclosed:	Donor Member	\$ _____
	Program Deposit	\$ _____
	Program Fee	\$ _____
	Calendar	\$ _____
	Total Enclosed	\$ _____

MasterCard Discover Visa

Check (payable to Wolf Ridge ELC)

Card # _____ - _____ - _____ - _____

Exp. Date. ____ / ____

Name on card - please print

Mail to:

WOLF RIDGE
 ENVIRONMENTAL LEARNING CENTER
 6282 Cranberry Road
 Finland, MN 55603

*Complimentary Issue
 Please consider becoming a
 donor member*

IN THIS ISSUE

Branching Out with STEM 1 & 3



*View from the Ridge
 2 & 3*

Attending Schools & Groups 4

*2015 Wolf Ridge
 Calendar
 5*



Green Ribbon Schools 5



*Wolf Ridge
 Staff Update
 5*

2014 Summer Staff 6

Grand Portage Expedition 6

Partnership 7

*Profile:
 Byron Johnson
 8*



Wolf Ridge Dissected 9



*Northwoods Lynx
 9*

*Upcoming Programs
 10 & 11*

**Wolf Ridge thanks
 these \$1,000+ donors:**

*Anonymous
 The Dan & Sallie O'Brien Fund of the
 St. Paul Foundation
 Boston Scientific Foundation Inc.
 Kiri & Kelly Gadelmann
 Northeast Sustainable Development
 Partnership*



Carleton College students visiting Wolf Ridge as part of a spring break work/learning experience help plant seeds in the hoop house at our new organic farm. This occurred in March with three feet of snow and 20°F outside, and 70°F inside the hoop house.



Wolf Ridge is an accredited residential environmental school for persons of all ages. We offer immersion programs which involve direct observation and participation in outdoor experiences. Wolf Ridge programs focus on environmental sciences, human culture and history, personal growth, teambuilding and outdoor recreation.

Our mission is to develop a citizenry that has the knowledge, skills, motivation and commitment to act together for a quality environment.

We meet our mission by:

- Fostering awareness, curiosity, and sensitivity to the natural world.
- Providing lifelong learning experiences in nature.
- Developing social understanding, respect, and cooperation.
- Modeling values, behaviors, and technologies which lead to a sustainable lifestyle.
- Promoting the concepts of conservation and stewardship.