



Students At Second Grade Insect Day



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Wildlands SCHOOL

Wildlands Mobile v2.0

There was a time when a big white bus sat next to the Wildlands garage. This bus wasn't anything extravagant, but it was always ready to go on field trips, river trips, camping, and used to shuttle students to local activities. Then, after close to 10 years of (fairly) faithful service, the beloved white bus had to be put out to pasture. Last year we had to take the bus to the recycler and the only things we kept from the old mobile lab were the memories. We were able to replace it with a newer yellow school bus, do a little remodeling, and have another Wildlands bus. The white bus was remodeled using two grants, thousands of dollars, and took a whole semester to finish back in 2001, while the new yellow bus was remodeled without any grant funds and finished in a couple weeks by Wildlands students. Consequently, this current bus doesn't have the same features or degree of remodeling, but it does the job just fine. However, it is a bus.

Keeping Wildlands students on the road and traveling to all the unique and wonderful destinations has been a rewarding challenge. The list of destinations and reasons for traveling is long and varied. From canoeing the Flambeau or Brule rivers, hiking in the Kettle Moraine, mountain biking Levis Mound, to visiting the nursing home, shoveling snow for senior citizens, or volunteering at the community table, our students move around much more than most. In many cases we need to bring along a support vehicle (sometimes called the chase vehicle) to make sure we can get off the river, to shuttle a student in case of illness, or deal with a bus breakdown. Having that chase vehicle is essential to both the function and safety of our "traveling school." For the school to continue to be "mobile" we are setting a new goal of "mobile v2.0." We have never had a dedicated vehicle for the chase or support function, thus the development of mobile version 2.

The staff and students have set a

goal to find and purchase (or to have donated) two vehicles that will help us meet the needs of our traveling school. We are targeting two types of vehicles for different purposes, a passenger truck, and a mini-van.

First, we need a chase and support vehicle that can pull a heavy trailer, have at least 6 seats for students, and room for gear in the back. Our bike trailer is a double axle heavy-duty trailer with electric brakes and requires at least a half-ton truck to pull. We also regularly pull canoe trailers, and in many cases need roof rack ability for watercraft. The ideal vehicle for this purpose would be something like a Chevy Suburban or Ford Excursion passenger truck. To date we have raised \$2,150 for this project and expect to see this goal reached before the end of the calendar year.

The second vehicle will help us in a host of other ways. Quite often we have a group of students heading out to a trip and we take the bus. This fall is a great example. We had 8 students on a backcountry canoe trip on the Turtle-Flambeau Flowage, and 2 weeks later 12 students went on a 3 night backpacking trip in the northern unit of the Kettle Moraine. These trips are the cornerstones of Wildlands outdoor recreation, life long fitness, and natural world exploration programs. For students to truly learn to understand how the natural world works, develop an appreciation for it, and learn to value it, they need to experience it first hand. However, on trips like these two, we ran a 70 plus passenger bus to transport the students and use personal vehicles for support. Having both a passenger truck and mini-van would have replaced bus use on these and many other trips.

Once we realize the goal of the heavy-duty passenger truck, we are targeting the mini-van. The mini-van could transport 6 students for many different purposes. We travel to college visits, local field trips, student

symposiums, and local businesses quite often. Students will arrange visits to professional offices and industries for small project groups as well. Our community service program could also use this for the many service and volunteer opportunities students complete throughout the year. For the past 9 years we have also had an "8th hour" bus route to make sure students in band, choir, and other electives can take those classes in Augusta. More than half of those 8th hour trips could use a mini-van instead of a full size school bus. This alone could save us a great deal in fuel. Anytime we take a group of 12 or less students we could use the passenger truck and a mini-van, thus having a support vehicle along, lower fuel costs, and more flexibility compared to using a full size school bus.

Wildlands Mobile v2.0 is a goal set forth by our students, staff, and school community, to be more active, get out in the community more, increase our outdoor learning team building adventure program, reduce fuel costs for daily transportation, and meet the needs of student projects that require local travel. We are currently accepting monetary donations for this project, with the overall goal of between \$15,000 and \$20,000. We are also working on several avenues that could lead to reduced cost vehicles or even a donation. If you are interested in helping our students move into the "Mobile v2.0" phase of Wildlands please consider a donation.

-Paul T. Teacher

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Fall Projects

Living a Healthier Life

During the first month of school the Wildlands staff announced that the students would be learning to construct a project in four phases. The first phase was a group of ten students led by one of the four teachers. Each teacher gave a short summary of what their group would be doing over the next four weeks. The group led by Mrs. Seubert was focused on healthy living.

The first goal of the Healthy Living Group was to investigate healthy eating. Our group started off by researching the importance of healthy living by watching some videos such as [Hungry for Change](#) along with a few “Ted Talks” from <http://www.ted.com/talks>. After learning the importance of a healthy balanced diet our group looked into experimenting with a variety of healthy recipes.

Once we had picked out a few recipes that sparked our interest, we set up appointments to tour Just Local Foods and visit the local farmers market. When we visited Just Local Foods we got an educational talk about how they get organic food. We also got all the ingredients that we needed for watermelon salsa, one of the recipes we had picked. At the farmers market we found a local farmer that sold organic produce. We put all the produce we purchased to good use by having a juicing day.



Then we took a trip to a frozen yogurt shop to see if it was truly as healthy as the companies claim it to be. Even though the food was delicious and fun to prepare it wasn't the only thing our group did.



Our second goal was to be more active. Our entire group decided that we wanted to achieve this goal in a way that would push us to try new things. So, to achieve this goal we made a long list of activities we would like to participate in, and scheduled an activity every day. Over four weeks we participated in tennis, ice skating, yoga, the Insanity workout, and we even put on our own 2k fun run for our school. This



task was a really cool and really emphasized that exercise and being active can be very enjoyable.

Working in this group was really enjoyable and each of us learned a lot. We all got the chance to try new organic foods and chance to cook. We got the opportunity to go play tennis and go to a yoga studio, and we got to put together a 2k run for all the Wildlands students and their family members. It was a lot of fun being part of this group and I really wouldn't mind doing a similar project in the future.

-Kaitlyn D. 11th grade

Driving our way to the Top

Here at Wildlands we have many great opportunities that we can turn into projects and find a way to improve our knowledge in many areas. So, for a project we have decided to design and build a Frisbee golf course and place it here on Beaver Creek. So far, we have gotten permission to do this project and are about to start the building phase. We are going to make the disc catchers portable so that we can change the course at any time and can store them through the winter. We came up with this idea last year, but decided to wait because of time constraints.

Instead of just purchasing the disc catchers we decided to build them this will be cheaper and we will also be able to earn shop credit for building them. We will use half of a plastic fifty-five gallon bucket to hold the discs. This bucket will be fixed around a pole that will have a stand on the bottom. There will be another part of a fifty-five gallon drum on the top with two rows of metal chains going from top to bottom to stop the discs when you hit them, causing the disc to fall into the basket.

We plan to have the course completed by the end of the month at the latest. When we are done we will have a four to six hole course on the reserve for anyone to use. We will also provide some discs, or you may bring your own to use.

-Dom F. 10th grade

Four Projects, Four Weeks

The group led by Mr. Forseth, focused on what students can do as projects. During that first month, we did four projects to learn the basics of project based learning.

The first project we did was titled “Would you trust your life to a bryophyte?” We were told to find out how reliable the old saying “Moss only grows on the north side of trees” really was. The general opinion agreed that trusting this saying was a questionable judgment.

The second project involved catching all of the grasshoppers in a specified area then



marking them with nail polish and setting them free in that area. A week later, we repeated the capture to see how many we recaptured and did a quick calculation to find out the population in that area.

Our third project was to find the muzzle velocity of an air soft pellet in any way we could come up with. I used two pieces of aluminum foil then shot through both of them, and recorded the time between the sounds caused by the impacts. My team then used this to find the velocity of the air soft pellet.

The conclusive task was to create our own project. Most people decided to do a second population survey, but I made plans to build a table, by making blueprints and a supplies list.

In summary, I believe that this was a valuable group for me to participate in. This group taught me lessons



about brainstorming and how to complete projects in a timely manner. These skills can be applied to any projects at Wildlands. I now feel prepared to do any project I might choose during the rest of my time at Wildlands.

-Roman B. 9th grade

Oh the Places You'll Go

“Oh the places you'll go,” this phrase ignites strong feelings of encouragement in me. Our group's goal was to find educational places to go for school and publish it on a website. The purpose of this website is to give future students quick access to a catalog of field trip locations of educational value.

Over the course of one month we built documents that contained information such as distance, driving time, educational purpose, and equipment necessary. Over the one month period we visited some of these locations such as Hobbs's ice skating rink, the Y.M.C.A., and Lowes Creek for mountain biking.

The final product is a database including over thirty locations that we could visit and find educational merit in a day or less. Although we had several challenges the whole experience was very enjoyable.

-Trey F. 9th grade



Amber Waves of Brain

As a project some other students and I wanted to see how brain waves work. Our first step was to see what we could learn about brain waves and figure out how to monitor the brain waves. After some research we found that we could buy a headset called the “Neuro Sky Mind Wave”. With this headset we will be able to monitor brain waves. The headset came with a bunch of software that we will use to test many of the brains functions including focus and relaxation while doing math, games, meditation, and other subject areas. So, now that we have this headset we can test this on different people in different situations.

-Bret H.
9th grade

Getting the Wheels Turning

One of the most exciting things that we have done this year was a mountain biking trip. We do these kinds of trips for exercise because we don't have a normal PE class. I like doing these trips because it gets us out of the classroom. I think this trip had a huge impact on our class because it brought our class together a little bit more. When everyone is comfortable with each other, it makes school life a little bit easier.



Mayachel S. 8th grade

When You Give a Bear a Survey

Last spring on the Beaver Creek Reserve there was a brutal bear attack on an innocent bird feeder. In the past we have done numerous deer surveys with varying success, but we wanted to do something new. One of our members was going through old newsletters and found an old bear survey. We all liked the idea so we began doing some research on bears and their habits. Once we decided that this would be possible, we began the long process of procuring everything we needed to get this project started.

In order to safely locate our four sites we needed to talk to the director of Beaver Creek Reserve. He told us that our sites needed to be located at least 100 yards from any trail for safety reasons. We also had to have bear spray in case we encountered a bear. After we found general areas for the sites we went out to the exact location of the sites then took GPS coordinates.

Our next step was to find a method to determine the individuality of the bears so we can find out how many bears visit our sites. Since our trail cameras do not have depth perception we needed to find a method for measuring the size of the bears in the photos. In order to do this we will place a marker at each of



the four sites every foot for twenty feet so when a bear triggers the camera we will be able to use a ratio to find out how big the bear is, then we will use the bear's unique features to identify the bear.

Before we could start the baiting process we had to acquire bait in order to bring the bears to the sites. After researching the eating habits of the black bear we learned that they will eat almost anything, but they prefer sweet food. We then proceeded to contact a nearby bakery for donuts, an apple orchard for bad apples that they couldn't sell, and acquired bacon grease through Beaver Creek Reserve. We hit the jackpot when we one of our team members contacted the Festival Foods bakery and gained a steady supply of doughnuts for the rest of the project. We currently have over 100 donuts available. After we had a constant supply of bait we were able

to start pre-baiting.

Pre-baiting is when we leave the bait out for a week without placing the cameras. The reason that we spend an extra week doing this is to give any bears nearby the chance to find



the bait before we start collecting data so that we are certain that we gave the bears a chance to discover the site.

On October 21st we will be able to start our data collection. Our prediction is that we will have 2-3 individual bears throughout the entire project. We also expect other scavengers to try to eat from our bait pile. This will be a great opportunity for us to learn how to complete population surveys as well as building skills that we will use in future projects.

I Have to Interview to do School Work?

This year at wildlands, we introduced jobs that each student can apply for. The jobs range from P.E. closet manager to newsletter editor. We all filled out a resume and submitted it into the teachers along with a cover letter explaining why we should be chosen for the jobs we decided to apply for. We had different volunteers come in to act as the "interviewer" and conduct a job interview. They asked us various questions similar to those we would

expect on a real job interview. We all had a 10 minute time slot to talk to the interviewers and make a case for why we would make a good employee for the job. We dressed up in nice attire, and gave a quick presentation. After we were interviewed, we waited to see if we

got the job. If you did get the job, you had the choice to accept it or not. The people who accepted their job will be working on it for the rest of the semester.

-Evan D. 11th grade

Newsletter Team

Grade 9: Nate L.

Grade 10: Maddy M.

Grade 11: Gabe G.

Grade 12: Aly F.

Editor in Chief: Emerson Z.

Videos About Backpacking?

For the second phase of learning the project system a group made up of ten girls went on the backpacking trip. We traveled to the Ice Age Trail in the Kettle Moraine State Forest near Fond du Lac and hiked in the backcountry for four days. When we came back we decided to use this for our second phase



project. We brainstormed and decided to make a tutorial video on how to pack, prepare, and plan for a backcountry backpacking trip. Our goal is for this video to help future students when they are planning for a backcountry trip.

There will be three main parts to the tutorial. The first part of our video will cover how to effectively plan your food for a trip. This section will explain how to plan meals with more variety and nutritional options. Secondly, we will explain the parts of a pack and where you should pack different things, along with what should be packed. That will include not only the clothes you

need, but also other gear such as flashlight, pocket knife, notebook and pencil, etc. The last section is “Tips and Tricks.” In this section each of the girls will give a few tricks that they learned along the trail. These could include food tips, clothing tips, packing tips, or anything else we found helpful while camping.

Ultimately, we hope our video will help old and new campers alike to have a smooth and fun camping trip. See you on the trails!

-Felicia D. 10th grade

Picasso vs. Kush

“How has art changed throughout the years?” This was the question that we based our art project on. In order to answer this question we are picking two artists, one is Pablo Picasso and the other is Vladimir Kush. We selected an old and a new artist to compare how the styles have changed over the years. Then we selected a picture of an apple painted by each of the artists, we chose an apple because we wanted something easy to sketch.

We each made mini biographies of each artist for our eportfolios and wrote a comparison paper. After we got all of the ground work done, we got to start the fun part. We each sketched a replica of the apple pictures. They obviously didn’t turn out like Picasso’s or Kush’s, but they were all unique. To finish our project we are traveling to Minneapolis to visit the Minneapolis Institute of Art. I personally have had fun doing this project and we plan on continuing it throughout the year.

-Libby W. 10th grade



Apple by Kush



Apple by Picasso

Wildlands School Student Radio

Throughout the beginning of this year I have been interested in learning more about radio stations, how they are created, and how they work. When we started forming smaller groups to do projects I grouped together with five guys who had the same questions, and we started a Project about how the radio works. Since three of us are already involved with our school’s podcast, WSSR (Wildlands School Student Radio), it wasn’t difficult to identify things that we could do throughout the project.

Once we had an idea of where we wanted the project to go, we split up the work so we could cover more ground. One of the students is researching the science of radio, another student is researching the history of radio, and both of them will present their findings to us at the end of the project. One of us is making an intro and some cover art for the show. Two of the other students and I are all announcers for WSSR, so most of our project has been recording and editing.

I also called WWIB, a radio station in the area, and asked if we could get a tour. Not only did we get to look around the station and hear professional answers to all of our questions, but they also surprised us by interviewing us about our project on the air. To finish up our project we’ll be asking various students what they would like to hear on our show. We’ll also be coming up with a list of ways to improve our show, and make it sound more professional. If you’d like to hear the product of our hard work, feel free to go to the Wildlands Facebook page. We post a new show every two weeks, so stay tuned.

-Aly F. 12th grade

First Aid in the Backcountry

For the first few weeks of school, Wildlands has been kicking off the school year with big group projects lead by the teachers. One such project was a Wilderness First Aid project. With Mr. Fields as out advisor, we have been meeting in the classroom and discussed proper first aid in the backcountry when modern medical attention is not readily available.

During this class Mr. Fields taught us the Patient Assessment System where we learn exactly what to do when administering care to the patient. There are seven parts of the Patient Assessment System. The steps in order are: size up the situation, identify life threats, do a full head to toe exam, track vital signs, find out about the patients' medical history, make a plan on how to handle the patient, and monitor the patient. To learn about these things Mr. Fields gave us lectures and then

we had to perform scenarios to validate the learning. For our last scenario Mr. Fields had a group of students and one of the teachers pretend they were attacked by a bear.

Learning Wilderness First Aid was very important for us since at Wildlands we do a lot of activities



in the backcountry and it is helpful to have basic knowledge of first aid. Even though we are done with the class, we are still planning one last activity to wrap up this project. We are hoping to have people from the Red Cross come teach us CPR, but it is going to cost 2000 dollars, so we need your help. We have started a fundraiser online, if you would like to donate go on to Youcaring.com and search Wildlands-To serve and save. Donations of any amount are appreciated.

-Nate L. 9th grade



Want a way to help Wildlands School? Help us raise \$2,000 to help a group of students get CPR/AED certified by donating to our cause. Scan this QR code with your smartphone to visit our donation page, or go to

Photo Contest Entries



Alexis S. 11th grade



Aly F. 12th grade



Dom F. 10th grade



Bret H. 9th grade



Felicia D. 10th grade

Check out the Wildlands website to find more awesome stuff about us. Just use our the QR code, or visit www.wildlandsschool.net



Once again this year, Wildlands is participating in Younkers Community Days Sale. We have received 300 booklets of coupons to , which you can purchase from students for \$5 each, to use November 15 and 16 at any Younkers or Herbergers.. There is over \$500 worth of saving in each book. This year Younkers is also offering online ordering. You can find our sales site at www.bit.ly/193JPIA or follow our QR code.



On the Horizon

- 11/5 End of 1st quarter
- 11/7 Middle school trip to Vertical Endeavors
- 11/15 and 16 Community days sale a Younkers
- 11/20 Middle school science museum and Christmas Carol trip
- 11/27 to 29 No School
- 12/10 High school Vertical Endeavors trip
- 12/11 Work from home
- 12/17 High school Vertical Endeavors trip

Go to GoodSearch.com and add Wildlands Charter School as the charity you want to support. Each search you make through GoodSearch donates money to Wildlands.



Wish list

- Large Goals**
- 4 Wheel Drive Passenger Truck
 - Mini Van
 - Cabinets for lab
 - 10 more large camping backpacks
 - Full size 10" table saw
 - Portable Compressor
 - Portable wire feed welder
 - 18 volt drill driver (Dewalt or Ryobi)
 - 5 iPads
 - Lockable storage cabinets
 - Good road bikes for PE (goal of 12)

Always in need of...

- Hot pad holders
- Kitchen Towels and Wash Cloths
- Measuring cups for kitchen
- Measuring spoons for kitchen
- New Dry Erase Markers
- Kleenex
- Paper Towels
- Duct Tape
- Electrical Tape
- Masking Tape
- General Office Supplies



Wildlands School Student radio is up, running, and ready to give you all the latest news on Wildlands School. We air a new show every two weeks, and you won't want to miss it. Check the Wildlands Facebook page, and take a listen!

Wildlands Supporters

Special thanks to the following individuals and families whose generous contributions help make Wildlands School successful year after year.

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If you would like to see your name appear here please make a donation of any amount. For more information see donation form on the back page.

Check us out on YouTube to see the awesome videos students have made.



www.youtube.com/WildlandSchoolVideo



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Wildlands needs your support.
Wildlands has established a 501c(3) non-profit organization to support student research and activities. If you would like to help us provide students with unique learning opportunities please use the form below. All donations are tax deductible.

Benefits of supporting Wildlands:

- 1. With a donation you will be recognized as a contributor in our Wildlands' Newsletter.**

Indicate how you'd like your donation to help Wildlands!

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Your donation to Wildlands School will provide students with up-to-date research equipment, support field work opportunities, fund local fieldtrips, or support our senior scholarships. Anyway you look at it, the money directly helps our students.

Thank you for your support!

Thank you for your support!

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