If you have been in the school this year you may have noticed a banner hanging above the concession area in the high school entrance that simply reads, “Build Your Legacy”. When the school year began, I shared the idea of building a legacy with our middle and high school students. I think far too often kids feel like they are just going through the motions; especially at school. On the first day, I told our kids that whether they believe it or not, each individual leaves their mark on this school. They might not believe it, but it is true. Every student in this building brings something unique to the staff, their fellow students, and the school as a whole. I really want our kids to feel that they are here for a purpose and I want them to build on that purpose. I told them on the first day that they need to realize that their legacy represents their body of work at each stage in their lives and their legacy grows with each new experience. I let them know that it is my hope that while they are at Superior Central, they each feel like they are making a positive impact and preparing themselves for whatever lies ahead of them.

If you are a parent, grandparent, aunt, uncle, neighbor, or friend please encourage school aged kids to get involved in something. We offer some fantastic things here at Superior Central. In the elementary there is the running club, snowshoe/skiing club, basketball, and an after-school art program. Also, there are many outside organizations that kids can be involved in like 4-H, Scouts, Little League, and other opportunities with Alger Parks and Recreation. All these activities help expose kids to opportunities to build their legacy.

In the middle school there are some great opportunities for kids to build their legacy. We offer a wide variety of middle school athletic and academic activities for our 6th through 8th graders. At the high school level there are even more opportunities for a student to continue to build their legacy. While many schools our size have cut arts out of the curriculum, our art programs continue to flourish. Recently our high school band students took home 31 Division I and II honors from District Solo and Ensemble. Many of those students will now compete at the State Level. Our Watercraft Design and Natural Resources class continues to make state and national news within the Ducks Unlimited organization.

We are one of few schools our size that offer Advanced Placement courses in our building taught by our teaching staff. We have many high school students taking Dual Enrollment courses through Bay College. Most of these students will graduate from high school with their Freshman year of college completed. Eleven of our Seniors leave our school for the afternoon to work at internships at the MSU Farm, Neenah Paper, Munising Memorial Hospital/Medi Lodge, the Alger County Clerk’s Office, the Alger County Sheriff’s Office, Mather Elementary, and Able Medical. We are able to offer our Construction Trades CTE course and have students who travel to the Jacobetti Center at NMU to take other CTE courses like Welding, Culinary, and Automotive. We also have five students who are participating in the Marquette Alger Technical Middle College. Our high school students have many opportunities to participate in extracurricular activities as well. Our Science Olympiad teams are perennial State qualifiers, our High School Bowl Team shines on Public TV 13, and we have 28 students attending the State Youth In Government conference in Lansing later this month. Our students also have the opportunity to build their legacy in athletics. We offer eight varsity sports at Superior Central during the fall, winter, and spring seasons.

Our students have many opportunities to build their legacy while at Superior Central. Whether it is in the classroom, on the court, or in the Chambers of the State Senate, our students shine. I am proud to be the leader of this district and I love to hear the great things that our students do while they are here and after they graduate.
Speaking of legacies, I want to once again thank the community members for your support of Superior Central Schools. Both the Sinking Fund Millage and the Transportation and Technology Bond have been a blessing for this district. Without your support we would not be able to offer the wonderful education that students in our district receive. The legacy that you are leaving to future generations of Cougars is greatly appreciated.

Lastly, I would like to congratulate Betty Jo Swajanen and Chloe Platias on being named Valedictorian and Salutatorian of the Class of 2020. Their hard work and dedication to their studies should be commended. Way to “Build Your Legacy” girls!

Thanks again for giving me the opportunity to work with your children. As always, if you have any questions or concerns feel free to call me @ 439-5532 x 244 or email me @ bvalima@superiorcentralschools.org or better yet, stop in for a visit.

Sincerely,

Bill Valima

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**Superior Central**

**2020 Yearbooks**

Now on Sale

Orders until 3/1/2020 $35.00

Then $40

Full color hardcover yearbook with all grades.

Pictures for a lifetime of memories!

---

**Back by popular demand...celebrating our 3rd year!**

Every family.

Every student.

Every night.

Reading aloud with your children is the single most important thing you can do to help them succeed.

Get ready to enjoy a book together! We’re all reading it!

**MARK YOUR CALENDARS NOW:**

**Family Reading Night—Friday, March 20**
SUPERIOR CENTRAL SCHOOLS HONOR ROLL
2019-2020 Second Quarter

Congratulations to the following students for being named to the Honor Roll for the second marking period.
An * denotes all A's

UPPER ELEMENTARY SCHOOL


Mrs. Tyner’s 5th Grade: Peyton Adams, Rory Hancock, Ryder Kroupa, Jasmine Nesberg, William Spranger Hannah Theodore, Elijah Valima

Mrs. Maki's 5th Grade: Andrew Charlebois, Samuel Charlebois, Teagan Hall, Josie Knaus, Caleb McGee, Zander Mullins, Kianna Perron*, Gavin Vining

MIDDLE AND HIGH SCHOOL


7th grade: Drew Begovac, Ruth Johnson, Kate McGee, Sierra Moore, Calla Porter*, Derick Tyner

8th grade: Craig Adams, Ruby Bernard, Max Fisher, Alice Hancock, Amie Helminen, Liam McDougall, Makenzie Oliver, Ava Porter, Clara Rondeau, Breanna Swajanen*, Lily Swetich, Neo Wilson


10th grade: Katrina Augustyn, Charlotte Charlebois, Riley Johnson, Garrett Koski, Eva LaVallie, Willow Lindgren, Dakota Maki, Olivia Millin, Ethan Phillipson*, Quinton Pierce, Rhianna Ricker, Anna Robinson, Faith Robinson, Maggie Rondeau, Emma Rutter, Christopher Thompson


12th grade: Katie Burns, Will Carlson, Wyatt Fink, Lily Harris, Guinevere Himes, Caleb Johnson, Gloria Johnson, Jeremy Koski, Lillyona LaVallie*, Luke Lintula, Elizabeth Molag, Maezie Nettleton, Chloe Platias*, Addie Rondeau, Elizabeth Swajanen*, Ellen Swick, Daniaka Walters, Jessica Walters
ORDER SCRIP!

Superior Central has been involved with the SCRIP program for the last few years and we are looking for more involvement from you.

How it works:

You buy gift cards from the school at face value and receive a percentage back to be split 50/50 with the school. Your portion of the 50/50 goes into an account for your child and the other goes into an account for various school activities i.e. prom, field trips, etc. When you have built up money in your account it can be used for ANY school activity such as sports fees, instruments, YIG, Science Olympiad, Young Authors, or any other fee associated with an extracurricular activity. There is a one-time fee of $50 to use the program, that can be deducted from your earnings, so it is no out of pocket cost to you. After the initial $50 is met, you start earning money in your account, those funds can be rolled over from year to year so if you have an elementary child you can start saving for their middle/highs school activities now.

**If you own a Smart phone you can also get an app that allows you to buy an e-card instantly.

**Example:** You buy $60 worth of Border Grill cards from school. Not only do you have $60 for your meal, but you also EARN 10% rebate which would be $3 to into your child/children’s account and $3 to go into the activity account for the school.

SCRIP is available in the Business Office.

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**Board of Education**

Please take notice that upcoming meetings of the Board of Education of the Superior Central School District in Eben Junction, Michigan are scheduled as follows:

<table>
<thead>
<tr>
<th>Regular Meeting</th>
<th>Monday March 16, 2020</th>
<th>Monday April 20, 2020</th>
<th>Monday May 18, 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7:00 PM</td>
<td>7:00 PM</td>
<td>7:00 PM</td>
</tr>
</tbody>
</table>

Regular meetings on the 3rd Monday of each month. Work sessions as needed. All meetings are 7:00 PM

Upon request to the Superintendent, the District shall make reasonable accommodations for a person with disabilities to be able to participate in these meetings.

Request must be received at least five days in advance of the meeting.
Summary of 2018/2019 SARE High School Participatory Ag Project

The SARE (Sustainable Agriculture Research and Education) Project was between Superior Central’s Agriculture and Forestry class and Log Cabin Livestock / Ben and Denise Bartlett’s Sheep Operation. It was coordinated by Abbey Palmer, MSU and advised by Jim Islieb, MSU Extension. This project is one of seven across the U.P. funded by a SARE grant and carried out by researchers from Michigan State University, MSU Extension, and MSU Upper Peninsula Research and Extension Center. These land-based learning projects offer students the opportunity to tackle real-world issues in agriculture in a living classroom – a local farm – and to engage with the project in their own communities through internships.

Our students worked with farmers Ben and Denise Bartlett to develop soil enhancing practices for hay fields that are too remote from the farm to be grazed. This issue, which relates to ecosystem health and farm financial sustainability, led students to an investigation of the relationship between soil microbial activity, soil health, and crop yield – and the health of their community. This article will provide background on the project, a description of the experiment that students helped to design, and data collected through soil tests.

In the winter of 2018 the Ag/Forestry students designed an experiment to test the four treatments they selected and set up test plots on land that had been hayed consistently for several years without being fertilized or grazed. Intern Beau Rondeau collected data over the 2018 and 2019 growing seasons and our students visited the site in both the spring and the fall to help conduct this scientific experiment in the form of agronomic test plots, and to collect soil samples.

This fall, in an innovative approach to a community field day, the students met with area farmers at the Alger County Farmer Potluck and presented their research, answered many questions, and explained how to use one of the kits they created to measure some of the physical characteristics of soil such as porosity and permeability. We built six of these kits which are available to community members to borrow from the Agriculture and Forestry class.

The management practices utilized were a randomized series of 15 plots, 3 replications of 5 different practices. Those practices were: Control, compost, cover-crop, urea, and mulch. All the practices except for “mulching” were done on per local standards, a late June/early July first harvest and an August second harvest with the “hay” crop being removed. The mulch plots were harvested earlier and more often, 4 times, and the crop was dropped on the plot.

In May 2018, the plots and trial plan was established with 100#/acre equivalent urea (46 lbs. nitrogen per acre) and 5 ton/acre compost was broadcast. The cover crop was no-tilled into existing sod and no vegetation control was exercised. The cover crop mix was: 50#/acres equivalent mix of: 1# sunflower, 8# soybean, 25# oats and peas mix, 4# crimson clover, 2# brassica, 10# Japanese millet. Nothing was done to control plot or the mulch plot before their scheduled harvest. Soil samples for soil health were taken both in the spring and fall of 2018. All hay harvested per plot was measured for yield and quality.

In May 2019, the trial was repeated with the following changes: The urea plots received 200#/acre equivalent (92 lbs. nitrogen per acre) and compost plot received 10ton/acre equivalent. The no-till mix was changed to: 10# Japanese millet, 25# oats and peas mix, 8# soybean, 5# red clover, 2# radish and 1# sunflower. Soil health samples were collected in the fall of 2019.

Results Summaries:
The overall goal was to impact the soil health of the hay field, but it was also important to monitor the impacts on quality and quantity of the hay produced. Because in both years the no-till cover crops were almost 100% unsuccessful, yield results are not given. The following yield results have been prepared by Ben and Denise Bartlett.
Continued from page five

The results are the yield in pounds per acre times the RFQ (relative feed quality- higher score is higher quality feed) score and the average of both trial years:

Control 4782 Q units = (pounds X RFQ score)
Compost 5352
Urea 6506
Mulch 5735

Fall 2018 vs Fall 2019 soil health tests for limited indicators:

<table>
<thead>
<tr>
<th></th>
<th>P 18/19</th>
<th>K 18/19</th>
<th>CEC 18/19</th>
<th>SOM 18/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>17/19</td>
<td>51/51</td>
<td>9.7/9.8</td>
<td>4.9/5.3</td>
</tr>
<tr>
<td>Compost</td>
<td>25/37</td>
<td>44/56</td>
<td>7.2/7.8</td>
<td>4.0/4.9</td>
</tr>
<tr>
<td>Urea</td>
<td>29/28</td>
<td>42/35</td>
<td>7.3/6.7</td>
<td>4.1/3.6</td>
</tr>
<tr>
<td>Mulch</td>
<td>27/29</td>
<td>45/40</td>
<td>8.2/8.2</td>
<td>4.4/4.2</td>
</tr>
</tbody>
</table>

Cornell Soil Health results fall 2019

<table>
<thead>
<tr>
<th></th>
<th>SOM</th>
<th>Protein</th>
<th>Respiration</th>
<th>P</th>
<th>K</th>
<th>Overall soil health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>3.6%</td>
<td>11.5</td>
<td>94</td>
<td>3.3</td>
<td>42.5</td>
<td>90</td>
</tr>
<tr>
<td>Compost</td>
<td>3.0</td>
<td>11.8</td>
<td>90</td>
<td>5.9</td>
<td>47.5</td>
<td>90</td>
</tr>
<tr>
<td>Urea</td>
<td>2.4</td>
<td>9.2</td>
<td>49</td>
<td>3.0</td>
<td>22.9</td>
<td>74</td>
</tr>
<tr>
<td>Mulch</td>
<td>2.9</td>
<td>10.5</td>
<td>92</td>
<td>3.1</td>
<td>30.4</td>
<td>82</td>
</tr>
</tbody>
</table>

While the Urea plots had the highest yield, the urea plots also had a tendency to experience a decrease in soil health indicators. The compost plots had an increased yield over the control plots with two harvests but the mulch plots with 4 harvests had lower yields per harvest but comparable total hay yield and higher quality with resulting higher Q score.

Glossary:
SOM Soil organic matter
P Phosphorus
K Potassium
CEC Cation exchange capacity
Protein Organically bound N
Respiration Soil metabolic activity

Throughout this 2 year study the students became immersed in soil health and ventured beyond the basic knowledge of N, P, K nutrient levels. They also learned how microbial life and the physical structure of the soil is essential to the optimal growth of any type of vegetation. Microbial life in the soil was measured in the classroom through the Solvita test kits. This test creates a color change in a device that directly measures how much carbon dioxide is given off through the respiration of the life in the soil sample. Being able to “see” how much microbial life is breathing in the soil turned a nearly invisible concept into reality for the students. Another test that created an impact with the students was the Percolation test conducted with some of the materials in the kits the students created. One inch of simulated rain water poured into a 5” diameter pipe pounded into the ground, routinely soaked into the soil in less than 1 minute while soil that had been tilled regularly for several years took 5 - 6 minutes and compacted soil created by periodic vehicular traffic took more than 10 minutes.

Clearly the expertise and resources that the SARE grant made possible gave the students that participated in this study a deep understanding of soil health and scientific procedure, but the resources our school has gained and the knowledge and techniques that I have acquired as a teacher will positively affect our future students as well.

-Written collaboratively by Abbey Palmer, Ben and Denise Bartlett, Jim Isleib and Tim Bliss
Fun and Adventure in the Great Outdoors

Pictured Rocks National Lakeshore was selected to receive a 2019/2020 school year field trip grant from the Park Foundation. The grant is part of Every Kid in the Park, which our fourth graders at Superior School were able to participate in last week.

In addition to our day at PRNL, every fourth grade student received a pass that allows free access to over 2,000 federal lands and waters to the student and their families. This pass is good until the end of August when the students become fifth graders. Get out and enjoy the open spaces!

SendMoneyToSchool.com

Thank you to all who are keeping up your lunch balances. If you haven’t signed up yet, it is easy to do. You can check your child’s lunch balance by signing up at SendMoneyToSchool.com.

As a free service, you can check the student’s balance and see how often your child is eating. For a small fee you may deposit money to their lunch account by credit card. The account is easy to set up, all you need is their student number which appears on their report card.

No computer access?
Feel free to call the Kitchen 439-5532 ext. 238 between 8:00 am– 10:30 am
Or call Mrs. Wells 439-5531 ext. 201
SC Mock Newberry Book Club

A group of 4th, 5th, and 6th grade students participated in the 2019-2020 Superior Central Mock Newberry Award Committee. This group of students dedicated their time to read 7-10 young adults books published in the 2019 calendar year. They met multiple times during the fall and winter to discuss the books they’d read.

The committee met on January 31 to pick the first ever S.C. Mock Newbery book -

The Missing Piece of Charlie O’Riley
by Rebecca K.S. Ansari.

The book club would like to extend a huge thank you to the generous sponsors of our field trip and their new books from Snowbound Book Store. Through the generous donations of sponsors, each member of the Newbery Book Club was able to purchase a new book from Snowbound while on our field trip and we were also able to fully fund next year’s Mock Newbery Book Club!

Kindergarten Round-up

Tuesday April 28, 2020
*For child who will be 5 on September 1, 2020
*Registration and screening
*Scheduling appointments after March 2nd
*Will need birth certificate, immunization records and proof of residence

Please:

Report any changes of your:  Mailing, physical address or phone numbers.
E-mail changes to:
dkanerva@superiorcentralschools.org  For MS/HS
bwells@superiorcentralschools.org  For Elementary
Or
Call :  High School 439-5532  x 242
Elementary  439-5531  x 201

Thank you.
And the winner is…….

The Reindeer Dash is a fundraiser that Superior Central Elementary puts on to raise money for the community every December. This year we chose the Alger County Animal Shelter to raise money to help buy blankets, food, pet dishes, cat litter, and pet beds.

Mrs. Maki’s 5th grade won the Reindeer Dash. They got to bring the check of $1269.52 to the Snack Bar and meet with the animal shelter staff. They got to have hot chocolate and cupcakes while talking with them.

The animal shelter was very grateful for all of the Elementary school's help!

Written by: Josie Knaus and Caleb McGee

Changes to Box Tops for Education

Download the App
Buy Box Tops Products—Scan Your Receipt—Earn Cash for Our School
Or
Collect Box Tops that still appear on the boxes
Box Tops for Education
and
Tadych’s Econo receipts.
Bring them to school. We earn dollars
To purchase supplies for the school and students.
Thank you.
For more information go to BTFE.com
Boys Basketball (Varsity & JV)

February 14 vs Forest Park 6:00
18 vs Stephenson 6:00
24 @ Norway 6:30
28 @ Gwinn 6:00
March 5 vs Bark River Harris 6:00

Varsity Coach: Harry Robbins
JV Coach: Dale Ruska

Girls Basketball (Varsity & JV)

February 17 vs Munising 6:00
24 vs Carney Nadeau 6:00
25 @ Norway 6:30
27 vs Stephenson 6:00

Coach: Bobbi Ayotte
Assistant Coach: Sarah Mannisto
J.V. Coach: Skip Rutter

All times listed are Eastern time.
Schedule is subject to change.
Check the website for updated schedule

Can’t make it to a Superior Central ball game?
Superior Central and Roam Media have got you covered!

Tune in to 92.7 to catch all the Cougar action!

Superior Central Sports Boosters

The primary function of the Sports Boosters is to raise funds to buy uniforms and extra equipment for the Athletic program. Parents who volunteer to work in the concession stand at sporting events are an essential part of a successful Booster program and we would like to thank you for your help in the concession stand! Your support and continued volunteerism are greatly appreciated! If you’d like information on other ways you can help, please contact one of our officers:

Officers:
Brenda James, President
Sally Richard, Vice President
Jennine Mallory, Treasurer
Marla Rondeau, Secretary

Sports Booster Meetings 2020
March 11th
April 8th
July 15th

Note: Meetings are 7:30pm in the S.C. Business Office.
*Meetings are subject to change.
We always welcome and appreciate new members!
<table>
<thead>
<tr>
<th>Month</th>
<th>Date(s)</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>14</td>
<td>12:30 dismissal</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>No School – Presidents’ Day Weekend</td>
</tr>
<tr>
<td>March</td>
<td>13</td>
<td>12:30 dismissal – Teachers Professional Development</td>
</tr>
<tr>
<td></td>
<td>26</td>
<td>Parent/Teacher Conferences 5:00-7:00</td>
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<tr>
<td></td>
<td>27</td>
<td>End of 3rd marking period</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>No School- Spring Break begins</td>
</tr>
<tr>
<td>April</td>
<td>6</td>
<td>School Resumes</td>
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<tr>
<td></td>
<td>10</td>
<td>No School</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>PSAT/SAT (Grades 8-11)</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>ACT WorkKeys (Grade 11)</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Kindergarten Round-up (by appointment)</td>
</tr>
<tr>
<td>May</td>
<td>2</td>
<td>Prom</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>Senior Banquet</td>
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<tr>
<td></td>
<td>21</td>
<td>Spring Arts Night</td>
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<tr>
<td></td>
<td>22</td>
<td>Graduation 7:00 P.M.</td>
</tr>
<tr>
<td></td>
<td>25</td>
<td>No School – Memorial Day</td>
</tr>
<tr>
<td>June</td>
<td>3</td>
<td>Elementary Spring Program 1:30</td>
</tr>
<tr>
<td></td>
<td>9 &amp; 10</td>
<td>1:30 dismissal – MS/HS Exams</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>Last day of School (provided we do not exceed 6 snow days)</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Teacher Professional Development Day</td>
</tr>
</tbody>
</table>

School Day begins at 8:15 A.M. and ends at 3:11 P.M.

**School Closing Announcements**

WMQT 107.7 FM
WGLQ 97.1 FM
WLUC TV 6
Superior Central app www.superiorcentralschools.org