



Muskegon Area
Intermediate
School District
**TECHNOLOGY
& SECURITY
ENHANCEMENT
MILLAGE**

**TECHNOLOGY
HELPS:**



**STUDENTS
LEARN**



**TEACHERS
TEACH**



**KEEP
SCHOOLS
SAFE**



2018-19 District-Specific Annual Accountability Report

March 2020



Dear Citizens,

For the past six years, our schools have been carefully and wisely investing funds generated by the countywide Technology & Security Enhancement Millage. Thanks to voter approval these investments have helped teachers teach, students learn and kept our schools safe.

In this report for the 2018-19 school year, you will notice that schools are now able to focus on replacing and updating old

technology. After years of focus on building a technology base to meet instructional needs, aging individual learning devices are now being replaced with newer models to handle the constantly changing, demands of improved technology applications. Schools have spent time planning well-thought-out replacement strategies. The MAISD technology staff facilitates the sharing of research, discussions, and collaboration as districts plan.

In the area of security, most districts have replaced decades-old phone systems with new VoIP (Voice over Internet Protocol) systems to improve the quality and lower costs. They have added and upgraded security cameras, created more secure entrances, and reduced threats. These security measures help deter thieves, vandalism, and other crimes.

The Technology & Security Enhancement Millage has provided schools with safe and viable blended learning. Students enjoy face-to-face instruction in concert with teachers that are able to customize instruction in exciting, constantly evolving, high-tech ways. They enjoy immediate feedback as they learn and have the technology experience they need to be successful in their next steps after high school.

Teachers have received the training they need to take advantage of the latest technology. Every year they build on their knowledge and skills. They also enjoy the support for hardware and software they need to introduce innovative learning projects. The result is that students are extremely motivated by the variety of instructional designs and are engaged in learning like never before. To utilize multiple learning platforms with ease, some schools have implemented single sign-on applications.

Of course, all of this enhanced technology requires an updated infrastructure to support the influx of added devices and connectivity demands. Thanks to this dedicated funding, these costly updates are complete. Things like robust connectivity and enough up-to-date individual learning devices that used to be rare in classrooms throughout Muskegon County are now the norm.

On behalf of our students and staff across Muskegon County, thank you for helping our schools prepare our students for the high-tech futures ahead of them. Without the millage funding, our students would be decades behind others. The MAISD will continue to offer affordable and high-quality professional development, instructional coaching, and other opportunities to collaborate and share best practices. Please contact me if you have any questions about this report or the millage.

John Severson, Ph.D., Superintendent
Muskegon Area Intermediate School District

**DURING THE 2018-19
SCHOOL YEAR, 12 LOCAL PUBLIC
SCHOOL DISTRICTS SPENT
FUNDS GENERATED BY THE
MILLAGE THE FOLLOWING WAYS:**



**TECHNOLOGY
\$4,464,568.66**



**PROFESSIONAL
DEVELOPMENT
\$16,195.49**



**SECURITY
\$582,942.22**



**TOTAL SPENT
\$5,063,706.37**

TECHNOLOGY includes technology equipment (computers and other devices used in classrooms, labs, media centers, and offices), supplies and services, network infrastructure, and other services that are necessary to maintain technology.

PROFESSIONAL DEVELOPMENT includes training that specifically addresses the use of technology in the instructional process.

SECURITY includes expenses related to improving the safety and security of students, staff, district facilities and property.

UNSPENT FUNDS The Michigan Public School Accounting Manual requires local school districts to account for all proceeds and expenditures from this millage in a separate fund. Because of this, districts may carry unspent resources forward without any concern of funds being commingled. This allows a district to set aside resources for a larger future technology or security initiative rather than borrowing money.

By law, every dollar collected (plus interest) flows through the MAISD to local districts.

Technology and Security Funding Through Countywide Millage

On February 25, 2014, voters in Muskegon County said YES to a one-mill property tax increase to improve technology and security within Muskegon County’s neighborhood public schools. Clearly voters agreed that today’s 21st Century students must have secure schools and strong technology skills in order to compete in our world-wide economy.

The MAISD Technology & Security Enhancement Millage is the first of its kind in Muskegon County. Although funds flow through the MAISD, school leaders and elected school boards of education have complete control and oversight of their expenditure. From 2014 through 2023, this funding will pay for:

- New and upgraded personal learning devices and software licensing fees
- Security upgrades, including added cameras and single, secure points of entry
- Expanded training and support for teachers
- Improved technical support
- Maintaining infrastructure to accommodate multiple learning devices
- Sustaining and maintaining current technology

Between July, 2018, and August, 2019, the Muskegon Area Intermediate School District received and distributed \$4,602,239.09 in tax revenues generated by the sixth of ten years of the Technology & Security Enhancement Millage.

2018-19 Funding Distributed by MAISD

Neighborhood Public School District	State Aid Membership	Percentage of Total Membership	Funds Distributed to Schools 2018-19
Fruitport	2,720.59	10.71%	\$492,905.11
Holton	837.90	3.3%	\$151,807.22
Mona Shores	3,868.83	15.23%	\$700,937.80
Montague	1,513.08	5.96%	\$274,158.39
Muskegon	3,608.47	14.21%	\$653,761.57
Muskegon Heights	656.20	2.58%	\$118,887.57
North Muskegon	1,038.37	4.09%	\$188,127.54
Oakridge	2,025.75	7.97%	\$367,016.92
Orchard View	2,256.32	8.88%	\$408,790.63
Ravenna	1,045.34	4.12%	\$189,390.33
Reeths-Puffer	3,709.34	14.6%	\$672,058.98
Whitehall	2,121.51	8.35%	\$384,397.04
TOTAL	25,401.70	100.00%	\$4,602,239.09

**2018-19
TECHNOLOGY & SECURITY
MILLAGE FUNDING**



STUDENTS: 2,721



**2018-19 FUNDS
RECEIVED:
\$492,905**

2018-19 DOLLARS SPENT



**TECHNOLOGY
\$606,367**



**PROFESSIONAL
DEVELOPMENT
\$4,812**



**SECURITY
\$3,870**



**TOTAL SPENT
\$615,049***

The Technology & Security Millage has benefited our students by allowing us to provide a modern approach to student learning.

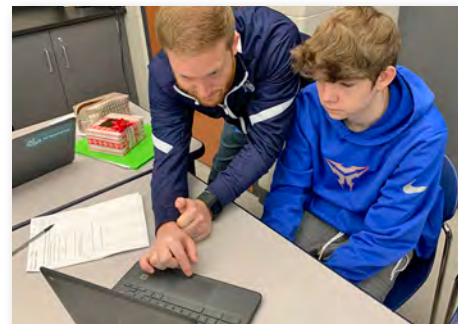


**Fruitport Community Schools
2018-19 SUCCESSES!**

- Continued the established replacement cycle for student Chromebooks, providing all incoming freshmen with a new device to begin their high school career
- Updated thirteen 32-station classroom Chromebook carts in grades 3-8 with new Chromebooks replacing the outdated devices
- Outfitted 41 classrooms in the newly redesigned Fruitport High School with updated technology-based teaching stations, projectors, and classroom amplification systems
- Updated and increased wireless infrastructure throughout where necessary, including all areas in the newly redesigned Fruitport High School
- Replaced old district PBX phone system to a VoIP based Mitel system in conjunction with the Muskegon Area ISD
- Replaced old and outdated network switches with "POE" switches powering both the wireless access points and telephone system district-wide
- Added additional security cameras where needed throughout the district

2019-20 & BEYOND...

- Continue the replacement cycle for district Chromebooks ensuring devices are up-to-date and can handle the constantly changing technology
- Continue to use funds for educational technology purchases for the newly redesigned Fruitport High School (a three-year process)
- Replace the old paging system at Fruitport Middle School, Beach, Edgewood and Shettler elementary buildings
- Replace the aging computers in the classroom teaching carts district-wide
- Replace the classroom projectors at Fruitport Middle School
- Continue to monitor the existing camera systems at Fruitport Middle School, Beach, Edgewood and Shettler elementary and make changes/updates to keep our buildings secure and safe



“ Without the Technology and Security millage, there would be no way we would be able to afford to keep our students and staff updated with current technology. It has been wonderful to be able to provide these educational tools and resources, and not have to worry about funding.

Jeff Grossenbacher, Director of Technology

“ Proceeds from the millage have ensured that our high school project will have all of the technology needed to make it a world-class facility.

Bob Szymoniak, Superintendent



**Districts may use unspent funds from previous years, or accelerate spending beyond the revenue received, based on district needs to cover larger projects.*

2018-19
TECHNOLOGY & SECURITY
MILLAGE FUNDING



STUDENTS: **838**



2018-19 FUNDS
RECEIVED:
\$151,807

2018-19 DOLLARS SPENT



TECHNOLOGY
\$106,364



PROFESSIONAL
DEVELOPMENT
\$3,295



SECURITY
\$0**



TOTAL SPENT
\$109,659*

***paid out of separate funding sources*

*Without the Technology
& Security Millage it
would be difficult to
provide our students
and teachers with the
technology driven
materials and tools
we offer now.*



Holton Public Schools 2018-19 SUCCESSES!

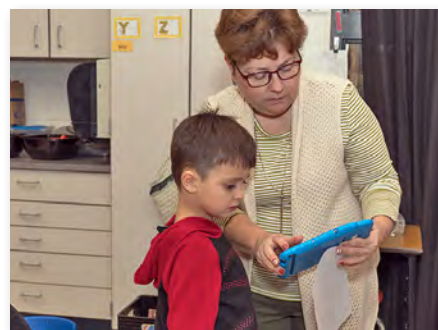
- Installed new computers in our Elementary Michigan Lab
- Purchased licensing for Microsoft, Deep Freeze, GoGuardian, Siteimprove and Virus protection
- Installed a new Chromebook charging cart with Chromebooks to share at the 5th grade level
- Installed new bus communication radios on our school buses
- Installed several new security cameras throughout the district

2019-20 & BEYOND...

- Install five new Chromebook carts in the middle school
- Install new high speed switches district wide
- Upgrade Security Camera server and software
- Install classroom set with 3 TI-Nspire CX II School Packs and a CX Navigator system
- Add Chromebook carts for elementary classrooms
- Install key card door security server/software district wide

“ I am using the Chromebooks to split a class of 30 math students into two groups. I am able to provide direct instruction to a group of 15 while the remainder work independently on the online component of our math curriculum called Zearn. With Zearn they learn at their own pace and the program is available for them to work on at home. I have access to data and reports on each student and the kids love the program! Having access to the Chromebook cart has allowed me to easily differentiate and work with smaller groups.

Lisa Martin, 4th Grade Teacher



2018-19
TECHNOLOGY & SECURITY
MILLAGE FUNDING



STUDENTS: **3,869**



2018-19 FUNDS
RECEIVED:
\$700,938

2018-19 DOLLARS SPENT



TECHNOLOGY
\$674,758



PROFESSIONAL
DEVELOPMENT
\$0**



SECURITY
\$88,204



TOTAL SPENT
\$762,962*

***paid out of separate funding sources*

The Technology & Security Millage has benefited our students by providing a safe and viable blended learning experience for all Mona Shores students.



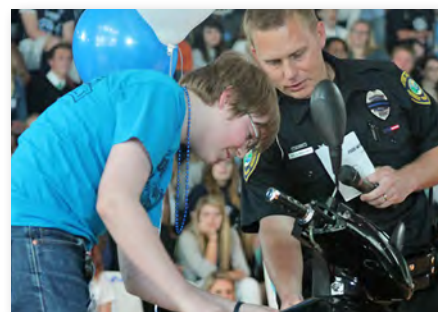
Mona Shores Public Schools 2018-19 SUCCESSES!

- Enhanced safety and security with two police liaison officers (high school and middle school)
- Upgraded security video system
- Upgraded Chomebooks to improve curriculum content/systems
- Extended GoGuardian contract to include entire district
- Provided professional development to staff through the Instructional Technology Coach



2019-20 & BEYOND...

- Upgrade high school gymnasium audio/technology to result in improved learning space
- Upgrade technology infrastructure and support with building remodels
- Continue focus on safety and security with two police liaison officers (high school and middle school)
- Upgrade security video system
- Upgrade classroom/student technology
- Pilot elementary touch-screens
- Extend GoGuardian contract to include entire district
- Provide professional development to staff through the Instructional Technology Coach



The countywide Technology & Security millage has allowed us to ensure safe and secure buildings for all kids. In addition, it has allowed us to have technology resources and devices as easy to access as pencils. This equals access for all students and is vital!

Bill O'Brien, Superintendent



The millage really speaks to the commitment of the community to Muskegon County Schools. Technology is critically important for modern learning and student achievement.

Chad Pranger, Director of Technology



Mona Shores
Public Schools 

Mona Shores Public Schools • www.monashores.net

**Districts may use unspent funds from previous years, or accelerate spending beyond the revenue received, based on district needs to cover larger projects.*

2018-19 TECHNOLOGY & SECURITY MILLAGE FUNDING



STUDENTS: **1,513**



2018-19 FUNDS
RECEIVED:
\$274,158

2018-19 DOLLARS SPENT



TECHNOLOGY
\$216,046



PROFESSIONAL
DEVELOPMENT
\$0**



SECURITY
\$42,655



TOTAL SPENT
\$258,701*

***paid out of separate funding sources*

Without the Technology & Security Millage we couldn't provide such a complete, well-supported and effective set of tools for keeping our buildings safe and helping our students learn.



Montague Area Public Schools 2018-19 SUCCESSES!

- Added Chromebooks, providing more access to individualized learning in grades 3-12
- Added ipads, providing more access to individualized learning in grades K-2
- Replaced aging classroom projectors with new projectors that are brighter and have lower maintenance costs
- Provided better, clearer sound systems in classrooms and other learning spaces
- Improved entrance security in all buildings

2019-20 & BEYOND...

- Replace older, end-of-life Chromebooks and ipads with current models
- Enhance classroom door security in all buildings
- Continue to upgrade classroom projectors and sound systems
- Expand use of effective instructional software such as GoGuardian
- Improve sound and lighting systems in the auditorium
- Provide support for hardware and software for innovative learning projects in classrooms



Technology has allowed me to individualize instruction in new ways, while giving immediate feedback to student learning. There is not a part of our instructional day that is not touched by the technology in the classroom. All activities in my classroom are now available for review, and to students who were absent, through the classroom learning portal. There students find lessons, practice assessments, review games, extension activities and project guidelines. Our students are extremely motivated by this variety of instructional design.

Dave Vermeulen, NBC Social Studies Teacher



Our Fine Arts Center was constructed in 2005 and still operated with the original technology. We have been able to upgrade to a state of the art sound and lighting system. This upgrade to digital sound and lighting system has enhanced the experience for our student performers, our student auditorium tech assistants, and for our community. Student performers have the equipment to best showcase their talent, tech assistants gain experience on industry standard equipment they can take directly in the field or to additional education, and finally our community is getting the best possible entertainment experience.

Dan Gorman, MAPS Food Service and Auditorium Director



**MONTAGUE AREA
PUBLIC SCHOOLS**
EDUCATION IN THE RIGHT DIRECTION

Montague Area Public Schools • www.mapsk12.org

**Districts may use unspent funds from previous years, or accelerate spending beyond the revenue received, based on district needs to cover larger projects.*

2018-19
TECHNOLOGY & SECURITY
MILLAGE FUNDING



STUDENTS: **3,608**



2018-19 FUNDS
RECEIVED:
\$653,762

2018-19 DOLLARS SPENT



TECHNOLOGY
\$691,729



PROFESSIONAL
DEVELOPMENT
\$8,088



SECURITY
\$12,777



TOTAL SPENT
\$712,594*

*The Technology
& Security Millage has
benefited our students
by allowing them the
ability to have a device
inside the classroom
and school walls at any
point during the day.*

Muskegon Public Schools 2018-19 SUCCESSES!

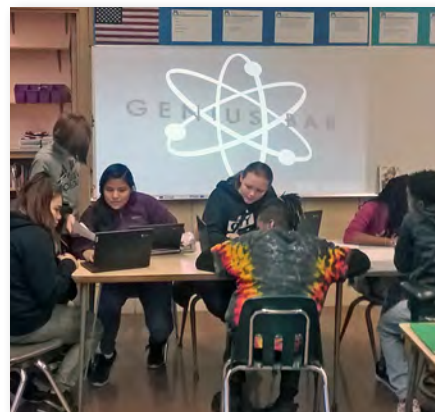
- Joined the Muskegon Area ISD Mitel VoIP phone system to provide the first phone system update in well over 20 years
- Achieved a one-to-one learning environment with Chromebooks in all buildings K-12 as we updated over 1,000+ Chromebooks across the district
- Continued license with GoGuardian internet filtering tool and added GoGuardian Beacon which is a self-harm and suicide prevention tool at Muskegon High School
- Continued adding, replacing, and updating security cameras in many buildings across the district
- Continued to provide teachers and administrators a mobile device in order for their work to be mobile rather than tied to an office
- Continued to expand the use of our Single Sign On tool, Classlink. The tool allows teachers and students the ability to perform classroom duties more quickly without having to remember many passwords which ultimately lowers time on task

2019-20 & BEYOND...

- Explore updating a new security camera system at Muskegon High School and then expand the upgrade to other buildings in the future
- Consider upgrading sound and amplification systems in classrooms and common area gathering spaces such as our Board of Education meeting space
- Add Chromebook updates specifically targeted at the K-2 level across elementary schools
- Update/upgrade district wide printer services and devices in 2020-21
- Provide new staff Chromebooks for the 2020-21 school year

M MUSKEGON
Public Schools

Strong Schools, Stronger Communities



Muskegon High School has embraced our one-to-one technology. It has been a game-changer for our students and we are very grateful for this opportunity. With every year our technology skills grow. This year all staff are using Schoology to support teaching, learning and data collection.

Corry Lohman, High School Principal



Our students are constantly learning and utilizing the latest technology in order to prepare for their future. This millage allows us to create well rounded and technologically astute graduates that compete for careers at the highest level. Without the tremendous financial support of the millage we would be decades behind. Instead we are operating in the futuristic educational arena.

Matthew T. Cortez, Superintendent



2018-19
TECHNOLOGY & SECURITY
MILLAGE FUNDING



STUDENTS: **656**



2018-19 FUNDS
RECEIVED:
\$118,888

2018-19 DOLLARS SPENT



TECHNOLOGY
\$128,150



PROFESSIONAL
DEVELOPMENT
\$0**



SECURITY
\$0**



TOTAL SPENT
\$128,150*

**paid out of separate funding sources

The Technology & Security Millage has provided our students with a safer and more secure environment. It has also allowed more access to technology and web-based programs for differentiating instruction.

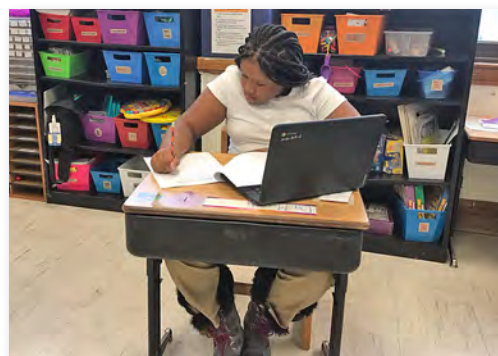
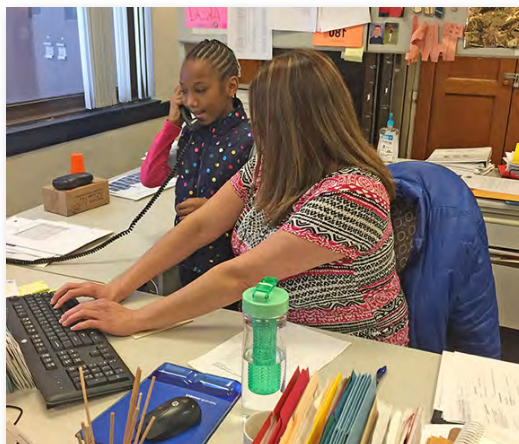
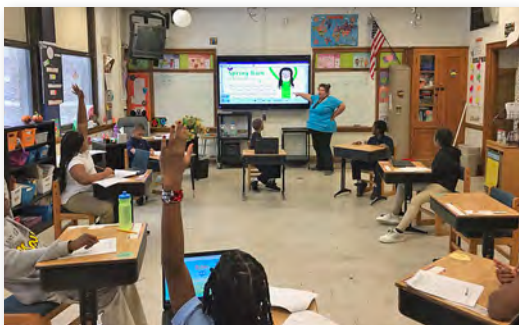


Muskegon Heights Public
School Academy System
2018-19 SUCCESSES!

- Added keyless entry to all buildings for secure access
- Replaced security cameras with higher quality cameras at Muskegon Heights Academy
- Replaced student Chromebooks

2019-20 & BEYOND...

- Upgrade and add cameras at elementary buildings
- Follow replacement plan for student and staff Chromebooks
- Add sound systems in K-1 classrooms to support reading instruction
- Create a more secure entrance at elementary school by moving the office and modifying the entry
- Add technology based crisis response system



“
Technology is very important to our students. Today, my class received rave reviews at the regional level for a pilot program (The Mavin Project: Online Career Awareness Service) in which my students are being prepared to possibly be trained to program robots for manufacturing at \$70 an hour out of high school.

*Jacob Norman,
Muskegon Heights Academy Journalism
and English Language Arts Teacher*

“
The new, high resolution cameras received for our security system at Muskegon Heights Academy have been huge in helping to maintain a safe and secure environment for our students and staff. We are very appreciative of the support given through the technology millage.

*Eddies Jones,
Muskegon Heights Academy Principal*



2018-19
TECHNOLOGY & SECURITY
MILLAGE FUNDING



STUDENTS: **1,038**



2018-19 FUNDS
RECEIVED:
\$188,128

2018-19 DOLLARS SPENT



TECHNOLOGY
\$193,327



PROFESSIONAL
DEVELOPMENT
\$0**



SECURITY
\$0**



TOTAL SPENT
\$193,327*

***paid out of separate funding sources*

Without the Technology & Security Millage we would face an immense struggle to keep up with current trends of available technologies needed to prepare students for what's coming up for them in college and the workplace.



North Muskegon Public Schools 2018-19 SUCCESSES!

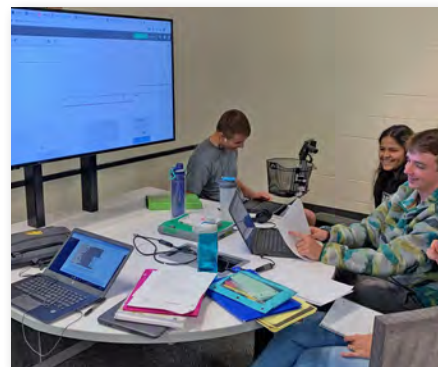
- Provided one-to-one student devices
- Upgraded Infrastructure (Switching & Wireless) to support the large influx of devices added throughout the district
- Added Security Cameras to increase coverage in and around our schools
- Installed One-Way Vision Window Films to our main entrances
- Met teacher requests for software, secondary classroom projectors, furniture, smart boards, etc.
- Replaced teacher desktops and lab personal computers

2019-20 & BEYOND...

- Continue one-to-one support/upgrades
- Continue software contracts
- Add One-Way Vision Window Films to more entrances
- Replace classroom sound to tie into our public announcement head-end system
- Meet teacher initiated classroom technology enhancements
- Make improvements to the Media Center

The renovations to the middle school/ high school library media center have made a positive impact on the student population. There are now more options for flexible seating with individual, small, and large group capabilities. There are also charging towers and tables with built in charging ports where students can charge their devices, which they are very happy about. We also have a collaboration station where students can mirror their device display for a group to see, which is great for group projects and student collaboration.

Brett Howard, HS/MS Library Media Specialist



The new touch screen Chromebooks have helped me in a lot of my classes. In my AP environmental science class, I had to draw my lab setup, using my stylus and the Chrome Canvas application, I was able to quickly and efficiently draw what I needed to get done. For college next year, I asked for this same Chromebook for Christmas because mine has helped me so much already this year.

Emma Jensen, Senior



2018-19
TECHNOLOGY & SECURITY
MILLAGE FUNDING



STUDENTS: **2,026**



2018-19 FUNDS
RECEIVED:
\$367,017

2018-19 DOLLARS SPENT



TECHNOLOGY
\$221,061



PROFESSIONAL
DEVELOPMENT
\$0**



SECURITY
\$52,911



TOTAL SPENT
\$273,972*

***paid out of separate funding sources*

Thanks to the Technology & Security Millage, our buildings are now equipped with the latest technology which helps our teachers and staff prepare students for life beyond the classroom.



Oakridge Public Schools 2018-19 SUCCESSES!

- Expanded number of Chromebooks for students to provide one-to-one computing environment for all 7-12 students integrated into the classroom learning environment
- Provided laptops to Project Lead the Way Program in the middle school STEM course
- Upgraded/replaced digital classroom presentation systems
- Installed PowerSchool online student enrollment/registration software allowing parents to enroll/register their children from the comfort of their own home while reducing clerical paperwork
- Maintained subscription to Schoology Learning Management System for grades 7-12
- Replaced analog building surveillance cameras with digital cameras
- Replaced and upgraded school bus camera surveillance systems (cameras/software)
- Upgraded fire alarm/monitoring system and connected to E-911 alerts
- Maintained subscription to Navigate Prepared emergency notification and response mobile/web application
- Scaled technology support services for increased devices and infrastructure



“
The Technology & Security Millage has greatly improved the safety of our building. Without the millage guests to the middle school building would be walking into the main hallway before they would check into the office. Now we have an office that guests walk into first. We also have a buzzer system for everyone entering the building.

Brent Jandron, High/Middle School Assistant Principal



OAKRIDGE



2019-20 & BEYOND...

- Replace district facility video surveillance backend system/software
- Add video surveillance cameras to school offices
- Replace bus routing software
- Improve student, staff, and visitor safety by reducing pedestrian road crossings via expanded parking areas on school property at Oakridge Upper Elementary
- Secure our school bus fleet on district property with installation of fencing, concrete/gravel parking lot, electric hookups, lighting, and video surveillance
- Maintain our one-to-one student/staff Chromebook/iPad replacement cycle
- Install GPS tablet system to bus fleet to improve drop-off and pick-up time reliability and communication for students/parents. Improve pre-trip bus inspections, paperless time cards, and parent monitoring of their child's bus location
- Upgrade and expand building wireless networks, allowing easier, faster access to internet services for students and staff
- Scale technology support services for increased devices and infrastructure
- Maintain subscription to Navigate Prepared emergency notification and response mobile/web application
- Maintain subscription to Schoology Learning Management System

**2018-19
TECHNOLOGY & SECURITY
MILLAGE FUNDING**



STUDENTS: 2,256



**2018-19 FUNDS
RECEIVED:
\$408,791**

2018-19 DOLLARS SPENT



**TECHNOLOGY
\$316,529**



**PROFESSIONAL
DEVELOPMENT
\$0****



**SECURITY
\$45,550**



**TOTAL SPENT
\$362,079***

***paid out of separate funding sources*

Without the Technology & Security Millage our students, teachers and staff would not have the resources and training necessary to efficiently and effectively put the proper learning and teaching tools to use!



**Orchard View Schools
2018-19 SUCCESSES!**

- Provided all staff with ALICE security training (active shooter training and emergency preparedness for all staff). This has helped to educate staff on how to react in an emergency for themselves and their students.
- Paid licensing fees for Microsoft Office, Go Guardian (used to monitor Chromebook activity), Follett/Destiny for all libraries, Tyler accounting support/software, Mitel phone system, HelpDesk system
- Installed remote lock main doors in the K-12 buildings which has allowed us to have all doors locked and only opened by an employee in the office
- Purchased iPad and software for visitor management system



2019-20 & BEYOND...

- Upgrade wifi with cutting edge equipment
- Add 160 Chromebooks at the high school
- Upgrade the sound system in the high school gymnasium
- Continue support/upgrade of high school auditorium technology
- Provide "Level 2" of emergency preparedness training including online and hands-on scenarios
- Upgrade computers/devices to support the ever-changing needs of students and learning



“
I record students reading and then play the video back to them. This is a very powerful learning tool!
Orchard View High School Office Staff

“
The millage has provided a safe learning environment for our students. Our number one priority is to educate our students, and they cannot be open to learn if they do not feel safe.
Orchard View 5th Grade Teacher

2018-19
TECHNOLOGY & SECURITY
MILLAGE FUNDING



STUDENTS: **1,045**



2018-19 FUNDS
RECEIVED:
\$189,390

2018-19 DOLLARS SPENT



TECHNOLOGY
\$189,149



PROFESSIONAL
DEVELOPMENT
\$0**



SECURITY
\$0**



TOTAL SPENT
\$189,149*

***paid out of separate funding sources*

The Technology & Security Millage has benefited our students by allowing them to focus on learning next-generation skills for future success in a safe and secure learning environment.



Ravenna Public Schools 2018-19 SUCCESSES!

- Maintain complete one-to-one learning environment with take-home Chromebooks in our high school
- Equipped all middle school classrooms with 35-unit computer carts
- Replaced all district servers with a new virtualized server solution.
- Added a new backup server with secondary cloud backup implemented

2019-20 & BEYOND...

- Begin evaluating new Chromebooks for this summer's roll-out in the middle school
- Continue to replace aging clocks/speakers with new IP-based displays in all buildings
- Begin the transition to HDMI-based classroom audio visual equipment and bulbless projectors installing units that are brighter, require less maintenance, and are much more energy efficient
- Expand security camera coverage throughout the district



Student Chromebooks have allowed our teachers to utilize technology in their instructional practices. Teachers are able to obtain formative data quickly with the use of digital resources. This informs their instruction and helps them make in-the-moment decisions regarding intervention and remediation. The devices also assist our teachers with distributing classroom resources efficiently via platforms like Google Classroom.

Justin Wilson, High School Principal



Without this valuable millage, our general fund would be depleted. Because of this millage, we're able to provide the best possible devices for our students, preparing them for college and career development.

Greg Helmer, Superintendent



2018-19
TECHNOLOGY & SECURITY
MILLAGE FUNDING



STUDENTS: **3,709**



2018-19 FUNDS
RECEIVED:
\$672,059

2018-19 DOLLARS SPENT



TECHNOLOGY
\$759,917



PROFESSIONAL
DEVELOPMENT
\$0**



SECURITY
\$315,575



TOTAL SPENT
\$1,075,492*

***paid out of separate funding sources*

*Without the
Technology & Security
Millage, our students
would be at a significant
disadvantage relative to
their peers outside of the
county as they prepare
for their futures.*



Reeths-Puffer Schools 2018-19 SUCCESSES!

- Upgraded the district wireless network for improved performance and density
- Upgraded computer labs throughout the district
- Replaced multi-media projectors in classrooms
- Added student Chromebooks throughout the district
- Upgraded the keyless entry security system
- Continued the school liaison officer position

2019-20 & BEYOND...

- Replace district core and edge switches
- Continue multi-media projector replacement cycle
- Add student devices across the district
- Continue improvements to keyless entry security system
- Make improvements to the security camera system



The consistent support that has been provided by the Technology & Security Millage has been instrumental in allowing us to plan in strategic ways to increase the safety of our students. The millage has allowed for preventative measures that reduce the likelihood of a threat, reduce the risk in case of a threat, and improve communications. In addition to our responsibility to keep students safe, it is our goal to remove barriers in order for all students to maximize their potential. The increase in technology through the millage has allowed us to support students that may need it through assistive technology while allowing a student to be independent and reach their highest potential. The enhanced technology has also allowed teachers to design lessons that are more relevant, collaborative, and exploratory which leads to increased engagement and learning.

Jennifer Anderson, Middle School Principal



With readily available technology our students are developing skills to excel in the digital world.

With access to online resources our students can explore and be creative while they research, learn, and collaborate. The technology and security millage is having a positive impact on the future of our kids.

Mike Beidler, Technology Director



**2018-19
TECHNOLOGY & SECURITY
MILLAGE FUNDING**



STUDENTS: 2,122



**2018-19 FUNDS
RECEIVED:
\$384,397**

2018-19 DOLLARS SPENT



**TECHNOLOGY
\$361,173**



**PROFESSIONAL
DEVELOPMENT
\$0****



**SECURITY
\$21,400**



**TOTAL SPENT
\$382,573***

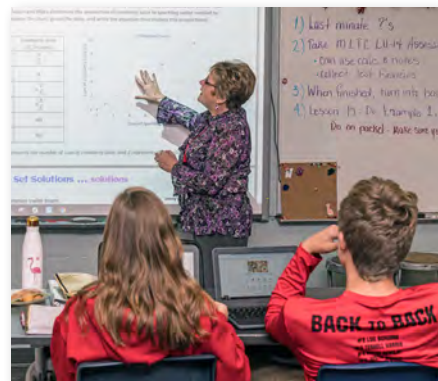
***paid out of separate funding sources*

The Technology & Security Millage has benefited our students by providing current technology that is updated and reliable.



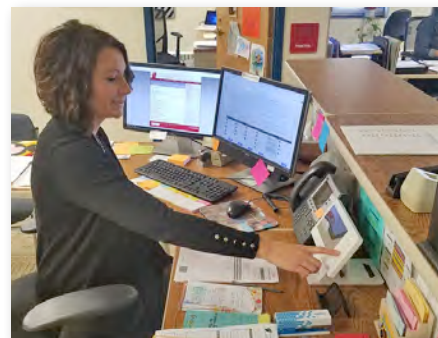
**Whitehall District Schools
2018-19 SUCCESSES!**

- Provide students in grades 3-12 with access to Chromebooks throughout their school day
- Implemented a one-to-one program for grades 3-12 with either classroom carts or take home devices
- Purchased and installed computers (before the 2019 start of school) to replace the teaching stations that were about seven years old



2019-20 & BEYOND...

- Refresh Chromebooks as needed; currently one grade at Ealy Elementary and the 6th grade at the middle school are replaced each year
- Create a new CAD lab (during the summer of 2019) with 25 new personal computers for the high school



“ **Technology can help us learn and create things in an exciting way. It allows me to learn math concepts in a fun way. Technology also encourages me to become a better reader. And technology can let us see in the dark. We can also learn how to program a computer.**

Wyatt Burger, 2nd Grade Student

“ **Inside the classroom, the implementation of a SmartBoard has made learning more interactive for my students. Technology has also allowed me to connect families to their child’s learning through a blog, website, videos, and apps like ClassDojo. Parents can see their child’s classroom through pictures, videos, or messaging. In many ways technology has been a HUGE timesaver. I can schedule conferences through websites like SignUpGenius or message all of my parents at once with ClassDojo.**

Amie VanAmberg, 2nd Grade Teacher





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