# Technology & Security 4 Students



MAISD

**Technology Helps Muskegon County**

Teachers Teach  •  Students Learn  •  Keep Schools Safe  •  Improve Its Future

## MAISD Technology & Security Enhancement Millage

# District-Specific Annual Accountability Report
### For the 2015-16 School Year—March 2017

# Technology Helps Improve Our Future

## Dollars Spent

Dear Citizens,

Back in February 2014, when school district leaders asked the MAISD to place the Technology & Security Enhancement Millage on the ballot, schools were receiving lower per pupil funding than in the year 2007, while costs kept rising. Unfortunately, not much has changed. We are still dealing with the trend of inadequate funding and rising costs, which is why the countywide millage funding is more important than ever.

Over the past two and a half years, schools across our county have improved security, added personal learning devices, and trained educators on how to best use technology to optimize learning. In addition, more of our schools are now able to offer what is called "one to one" learning. This means the ability to provide one learning device to one student. One to one is important because it allows students to learn anything, anytime, anyplace.

Each day our students are researching, analyzing, and collaborating. This daily practice, combined with blended online and face-to-face learning helps our students develop essential 21st century job skills. To make it easier to collaborate and share resources, all local school districts have adopted the *Google Application Suite* which provides a collection of free integrated applications for educators and students.

All of this matters because when our students graduate, they become part of an ongoing supply of career-ready talent to build our economy. They must have the ability to work independently and utilize technology in a variety of advanced ways. I am also proud to say there is a lot of energy, excitement, and a strong spirit of collaboration between educators, instructional consultants, technology staff, and school and MAISD leaders as we work together to prepare our students for the promise of a high tech workplace.

Thank you for being part of the solution for the children in our county. With your investment, our schools are becoming safer and our students better prepared for success in their future careers and/or college studies. As always, the MAISD remains committed to providing the support our schools need to make the most efficient use of taxpayer dollars. Please contact me at 231-767-7201 if you have any questions or comments about this report or the millage.

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

During the 2015-16 school year, 11 local public school districts spent funds generated by the millage the following ways:

**Technology .....$3,616,966**

**Professional Development.......$ 89,525**

**Security .........$ 1,197,897**

**TOTAL .............$4,904,388**

*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. For the 2014-15 school year, the districts had **$653,617** of unspent funds. These dollars were spent during the 2015-16 school year. A total of **$13,101** was unspent at the end of the 2015-16 year.

## Countywide Millage Funds Technology & Security

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
- 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

## Funding Flows to Local Districts

Between July 1, 2015, and June 30, 2016, the Muskegon Area Intermediate School District received and distributed **$4,263,873.33** in tax revenues generated by the second of ten years of the Technology & Security Enhancement Millage.

### 2015-16 Funding Distributed by MAISD

| Neighborhood Public School District | State Aid Membership (Student Count) | Percentage of Total Membership | Funds Distributed as of June 30, 2016 |
|---|---|---|---|
| **Fruitport** | 2,782.15 | 10.87% | $463,438.06 |
| **Holton** | 878.13 | 3.43% | $146,274.95 |
| **Mona Shores** | 3,798.41 | 14.84% | $632,722.08 |
| **Montague** | 1,480.87 | 5.79% | $246,676.68 |
| **Muskegon** | 4,152.44 | 16.22% | $691,694.81 |
| **North Muskegon** | 1,036.78 | 4.05% | $172,702.16 |
| **Oakridge** | 2,048.14 | 8.00% | $341,169.97 |
| **Orchard View** | 2,443.06 | 9.54% | $406,953.97 |
| **Ravenna** | 1,085.93 | 4.24% | $180,889.34 |
| **Reeths-Puffer** | 3,790.09 | 14.81% | $631,336.18 |
| **Whitehall** | 2,101.24 | 8.21% | $350,015.13 |
| **Total** | **25,597.24** | **100.00%** | **$4,263,873.33*** |

*This amount does not include $808.70 in delinquent tax revenue received after June 30, 2016. These dollars have been distributed as well.*

*"The Technology & Security Millage has had a tremendous impact on our district. It has put technology in the hands of every student like never before. We are grateful to the MAISD for its leadership in making this millage possible, and for the quick processing of millage proceeds so that we can maintain the integrity of our technology deployment plan."*

— Fruitport Community Schools
Superintendent Bob Szymoniak

# Fruitport Community Schools
## Empowering Individuals to Positively Impact Their World

Technology & Security 4 Students

## Second Year Success in 2015-16
- Continued security camera upgrades across the district
- Constructed secure lobby entrances at Edgewood and Fruitport MS
- Began construction of secure lobby entrances at Beach and Shettler
- Fifteen Chromebook carts added at Beach (2), Edgewood (3), Shettler (3), Fruitport Middle School (5), and Fruitport High School (2)
- Purchased twelve station laptop cart and software for the LEGO Mindstorms course at Fruitport Middle School
- Technology Coach assisted teachers in technology integration
- Many professional development activities attended by teachers
- Purchased *Go Guardian for Teachers*, *Planbook.com*, and paid licensing fees for other useful software tools for students and teachers

*Chromebooks are the perfect answer for "Anytime, Anywhere" access to digital information.*

## Plans for 2016-17 & Beyond
Fruitport has completed year one of phase one of a two-phased, three-year technology deployment plan adopted by the Board of Education in 2015. Detailed documentation of this plan can be found at http://bit.ly/2nc83dV.

Planning for phase two began in the 2016-17 school year and is focused on the needs of the youngest students in kindergarten through grade two, creating a district computer replacement cycle both for PC's and Chromebooks, implementing an enterprise-level wireless infrastructure, providing more support, assistance, and staff development for teachers, and upgrading media carts in classrooms. In the area of security, secure lobby construction will be completed at Beach and Shettler Elementary buildings. Security camera infrastructure and devices will also be part of this process.

*"With Chromebooks, I am able to give students a bit more freedom in their learning. It allows students the time to rewind videos if they missed something, revise work in a quick and efficient manner, build their problem-solving skills, and provides me a multitude of formative assessment data."* —Teacher Sarah Woycehoski

*Student collaboration is much easier with Chromebooks and the Google Apps for Education suite of tools.*

## 2015-16 Dollars Spent
| | |
|---|---|
| Technology: | $186,531.95 |
| Professional Development: | $  10,591.72 |
| Security: | $320,709.27 |
| **Total:** | **$517,832.94*** |

www.fruitportschools.net

*\*Districts may use carryover funds and/or accelerate spending beyond the revenue received based on district needs to cover larger projects.*

# Holton Public Schools
## Rooted in Community, Reaching for Excellence.

**Technology & Security 4 Students**

## 2015-16 TECHNOLOGY & SECURITY MILLAGE FUNDING
**878.13 students     $146,274.95 received as of 6/30/16**

### Second Year Success in 2015-16

Holton Public Schools has purchased 160 Chromebooks and licenses, a Chromebook teacher management system (Hapara), three Elmo document cameras, 160 Chromebook protective devices, 63 iPad minis and cases, 53 desktop computers, 3 mobile presentation carts, 5 Epson projectors with cables and bulbs, 30 new computer monitors, *E-Gear Dual Band License*, 400 *Go Guardian* licenses, an elementary welcome display monitor, 4 upgraded security cameras, and 3 new bus surveillance camera systems. The district also paid for website hosting, fiber network for internet connectivity, staff support, training, and professional development through technology conferences, and provided stipends to two teachers to serve as instructional technology coaches for staff. Holton also purchased and implemented the *NaviGate Prepared Emergency Preparedness System*.

### Plans for 2016-17 & Beyond

Holton Public Schools will update and replace the security camera system server, switches, and software; upgrade security cameras; purchase Chromebooks and licenses to support the one-to-one initiative at the high school; purchase Chromebooks for expansion of the Virtual Academy program; support an improved replacement cycle by updating a desktop computer lab, software, and licenses; expand iPad usage in the elementary, purchase a laptop computer cart for the elementary; purchase content management and filtering software; purchase additional digital document cameras and digital projectors; provide two stipends for teachers to serve as instructional technology coaches, offer a new computer technology course at the middle school, and provide professional development to staff.

*"We continue to transform the teaching and learning environment for our students through the use of proceeds from the Technology and Security Enhancement Millage. College access and career readiness are at all-time highs within the district due in large part to what we are doing with technology to prepare students for the future."*

—Superintendent Jason Kennedy

*Students use technology to deepen their thinking and understanding of complex concepts, while also using technology to analyze data in ways that they have not done before.*

*Blended learning applications and opportunities for collaboration through technology have led to creative and innovative learning solutions for students.*

### 2015-16 Dollars Spent

| | |
|---|---|
| Technology: | $ 118,301.76 |
| Professional Development: | $ 11,284.42 |
| Security: | $ 13,682.44 |
| **Total:** | **$ 143,268.62** |

**www.holtonschools.com**

# Mona Shores Public Schools
### Inspiring Excellence, Building Character, and Impacting the Future Through Academics, Arts, and Athletics

## 2015-16 TECHNOLOGY & SECURITY MILLAGE FUNDING
**3,798.41 students  $632,722.08 received as of 6/30/16**

## Second Year Success in 2015-16

- Mona Shores Public Schools provides 3,750 Chromebooks for students
- Each classroom Grades K-3 has a locker of 10 Chromebooks; Grades 4-5 has a cart of 30 Chromebooks; Grades 6-8 has a cart of 30 Chromebooks; Grades 9-12: each student has a Chromebook and case assigned
- Classroom Smart Cart computer upgrades (215 Chromeboxes/licenses)
- *Google Cardboard Expeditions*, Robotics Class, and STEM Club added
- Secure entrance systems at all buildings (video phone systems)
- Video surveillance system updated with additional cameras
- Individual headphones to be used with Chromebooks for K-5 students
- Teachers trained and supported in applications to enhance learning
- Annual subscriptions to online learning platforms/annual licensing fees
- Upgraded security cameras and technology in HS auditorium and cafeteria
- Joined Lakeshore Technology Consortium through MAISD to increase cost effectiveness, device and infrastructure support
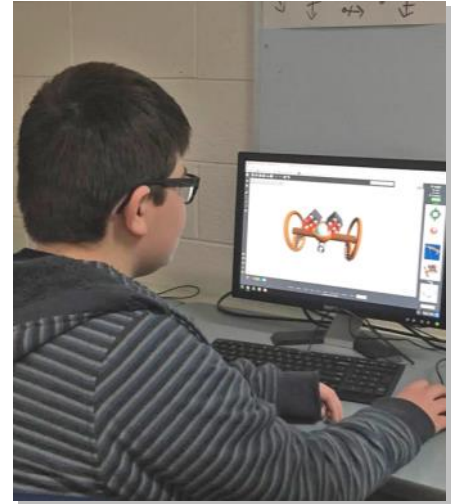


*A student works in the STEM Lab on robotics design and planning.*

## Plans for 2016-17 & Beyond

Add K-8 Instructional Technology Coach; VOIP phone system upgrade; network switching upgrade to better support blended learning environment and future technologies; add collaboration spaces; performing arts area and auditorium upgrades; continue addressing needs of the video surveillance system and door access controls; upgrade wireless network systems to support future devices and network bandwidth needs; address device replacement cycles; explore future collaboration environments and applications for blended learning and personalized learning; focus on individualized professional learning K-12 to support technology to enhance instruction.



*"With the implementation of one-to-one this year, our teachers have been able to provide our students with tools that have brought learning to a whole new level. Students have profited in the form of increased engagement as well as the ability to learn 24/7 and easily collaborate with teachers and classmates."*

—Anne Brainard, Instructional Technology and Information Specialist
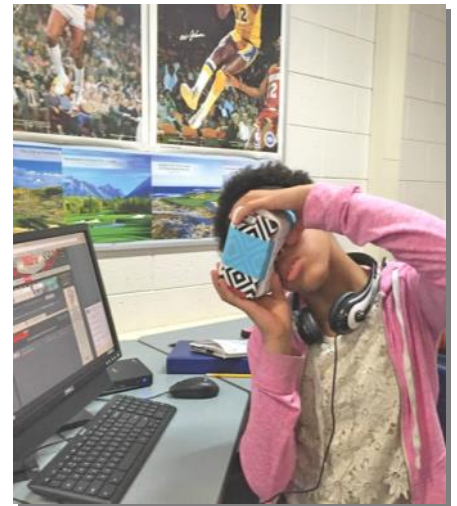


*A student experiences a virtual field trip using Google Cardboard.*

## 2015-16 Dollars Spent

| | |
|---|---|
| Technology: | $602,201.35 |
| Professional Development: | $ 36,805.38 |
| Security: | $ 34,626.03 |
| **Total2014:** | **$673,632.76*** |

**www.monashores.net**

*\*Districts may use carryover funds and/or accelerate spending beyond the revenue received based on district needs to cover larger projects.*

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

**Technology & Security 4 Students**

## Second Year Success in 2015-16

- Montague Area Childhood Center and Grades 1-2 received 80 ipads, headphones and protective cases
- Chromebooks and storage/recharging carts were added at RRO Elementary (two added carts of 30 Chromebooks each)
- In Grades 3-5, five Chromebooks were added in each classroom
- These Chromebooks were critical to online state standardized test preparation and test taking
- Chromebooks and storage/recharging carts were added at NBC Middle School (three added carts) and Montague High School (three added carts)
- Advanced graphing calculators were purchased for all Montague High School math students
- High speed/cost efficient copiers/printers were added across the district
- The district paid for software licenses, internet access and web filtering applications, tech maintenance, repairs, and supplies
- Wireless infrastructure enhancements from 2014 millage funds supported fast internet connections for an increasing number of students, devices and learning tools
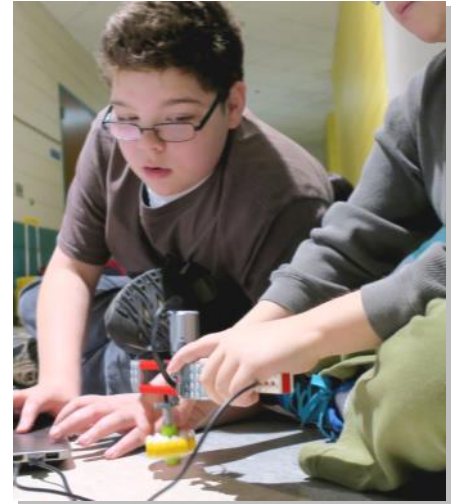
*STEM (Science, Technology, Engineering, Math) activities are becoming more important in our world and in our district. Millage funds help support this learning.*

## Plans for 2016-17 & Beyond

The district plans to add Chromebooks and carts for RRO Elementary (two carts of 30), middle school (4 carts) and high school (4 carts); and add 70 ipads for the Montague Area Childhood Center and Grades 1-2; cover the costs of software licenses, internet access and web filtering applications; pay for tech maintenance, repairs, and supplies; and provide additional technical support helpers.

*"Chromebooks in the classroom have been a life saver for me! I am able to conference with kids easier as they are working. I am able to reach more students within a class period, and they are able to get more one-on-one  time with me. It's a win-win."*

—Christy Hester, NBC English Teacher

*Learning devices like Chromebooks and ipads allow students to work independently, at their own pace. They also foster helpful interactions between teachers and students.*

## 2015-16 Dollars Spent

| | |
|---|---|
| Technology: | $245,659.95 |
| Professional Development: | $ 0.00** |
| Security: | $ 1,493.05 |
| **Total:** | **$247,153.00*** |

**www.mapsk12.org**

*Districts may use carryover funds and/or accelerate spending beyond the revenue received based on district needs to cover larger projects.*
**Professional development paid for out of separate funding sources.*

# Muskegon Public Schools
## The Best for Every Child, Every Day

Technology & Security 4 Students

## Second Year Success in 2015-16

**Classroom and Learning Space Technology:** Support and maintenance of classroom technology equipment; improved audio visual capabilities in Nelson Library to support district-wide professional development; updated media centers with improved learning devices; began work on updating classroom projectors at middle and high school.

**Infrastructure & Support:** Upgraded all district building network switches to support demand and growth; relocated data center and added fiber connections to all buildings; improved technology support services; began work towards E911 compliance/safety improvements

**Safety & Security:** Video and key card entrance systems installed in all buildings; video security cameras installed in all buildings; reconfigured building entrances to better route traffic into the office area

**Curriculum Content/Systems:** *GoGuardian* - Chromebook Management and filtering; *LANSchool* - Windows Lab Management software; *Airwatch* - Mobile device Management for iPads

**Professional Development:** Moon School's Technology Integration/ Blended Learning and Best Practices pilot project; teacher training



*Students at Muskegon Middle School work on a social studies project using Chromebooks.*

## Plans for 2016-17 & Beyond

**Technology:** Increased access to technology for all students; cover annual costs of technology support including web based tools and systems; life cycle replacement for student, administrator, and teacher devices on smart carts; provide instructional delivery tools; update data center infrastructure **Security:** Enhance safety and security system and cameras; update phone system and continue progress toward being E911 compliant **Professional Development:** Provide ongoing teacher and administrator professional development in blended learning

*"Today students do not learn in the same manner in which we were taught. The millage has allowed us to engage students through the new lens of the 21st Century making them career and trade ready."*

—Principal Jennifer Halverson
Lakeside Elementary School



*A teacher confers with a student at Muskegon Middle School.*

## 2015-16 Dollars Spent

| | |
|---|---|
| Technology: | $ 905,614.44 |
| Professional Development: | $ 17,471.79** |
| Security: | $ 352,554.19 |
| **Total:** | **$1,275,640.42*** |

**www.muskegonpublicschools.org**

*Districts may use carryover funds and/or accelerate spending beyond the revenue received based on district needs to cover larger projects.*
**Further professional development paid for out of separate funding sources.*

# North Muskegon Public Schools
## An Educational Community that gives our BEST and expects the BEST!

**Technology & Security 4 Students**

## Second Year Success in 2015-16

- Replaced classroom projectors
- Replaced one to one devices for high school students with Chromebooks
- Netbooks were repurposed to one-to-one for middle school students
- New imaging software was purchased to support the many Microsoft devices
- Technology software, hardware and licenses were purchased for use across the district


*Students use new Chromebooks to work on their papers.*

## Plans for 2016-17 & Beyond

Looking forward, North Muskegon Public Schools plans to replace the one-to-one devices in the middle school with Chromebooks, add five Chromebook carts for the upper elementary, and classroom sets of Chromebooks for the lower elementary. The district will be investing in two carts of iPads, with possibly more in the future. By the 2017-18 school year, North Muskegon Public Schools will be a true one-to-one district, with elementary student devices staying in the school.

By the 2017-18 school year, with the students being one-to-one across the district, more funding will be available for teaching staff classroom enhancements. This includes the use of interactive TVs/Whiteboards, presentation software, digital microscopes, and more. North Muskegon Public Schools is thankful to the community for their continued support in Education!



*"The ISD's Technology Millage opens up a number of great new learning opportunities for our students in a number of areas such as enhanced materials for our Robotics class."*

—Jon Allen, Middle/High School Teacher


*Students reading e-Books using brand new iPads.*

## 2015-16 Dollars Spent

| | |
|---|---|
| Technology: | $125,800.53 |
| Professional Development: | $      0.00** |
| Security: | $ 61,126.84 |
| **Total:** | **$186,927.37*** |

**www.nmps.net**

*Districts may use carryover funds and/or accelerate spending beyond the revenue received based on district needs to cover larger projects.*
**Professional development paid for out of separate funding sources.*

# OAKRIDGE

**Every student, safe and healthy, college and workplace prepared**


Technology & Security 4 Students

## Second Year Success in 2015-16

- A variety of Oakridge staff were provided professional development on technology use and integration in the following areas: *Google Platform*: *Gmail, Google Drive, Google Calendar, Creating a Web Presence, Interactive Web Resources, YouTube Channels*, and *Google Presentations*; *Schoology* learning management system; *Learning on the Lakeshore* (West Michigan-wide training focused on technology integration into the classroom environment); and *Michigan Association for Computer Users In Learning Conference*
- Installed additional 100,000 feet of network cabling and 580 network ports across 126 rooms/offices to accommodate additional devices.
- Upgraded 16 network switches from 1 Gbps to 10 Gbps
- Purchased 192 additional mobile devices for student access
- Maintained investment in technology support services
- Expanded key fob access system to seven additional entries
- Installed unified mechanical key system which protects against unauthorized duplication and improves safety and security
- Purchased *Navigate Prepared* school safety technology system


*Families enjoy digital learning together at parent night.*

## Plans for 2016-17 & Beyond

Oakridge will continue to make strong steps forward in technology and security by completing additional initiatives in alignment with the Eagle Strategic Plan. This will include maintaining computer replacement cycles, continued progress toward one device for every student, maintaining licensing for Schoology, maintaining technology support model, replacing the school bus video security system, and installing a single secure point of entry at the middle school entrance.



*"Our students' future workplaces will be filled with technological innovation. These investments will greatly assist Oakridge in preparing them to take advantage of these innovations while learning in a safe and secure environment."*

—Superintendent Tom Livezey


*Families enjoy digital learning together at parent night.*

## 2015-16 Dollars Spent

| | |
|---|---|
| Technology: | $174,865.61 |
| Professional Development: | $   9,684.44 |
| Security: | $  97,996.24 |
| **Total:** | **$282,546.29** |

**www.oakridgeschools.org**

# Orchard View Schools
## Discover ● Learn ● Succeed

**Technology & Security 4 Students**

### 2015-16 TECHNOLOGY & SECURITY MILLAGE FUNDING
2,443.06 students  $406,953.97 received as of 6/30/16

## Second Year Success in 2015-16
- Installation of camera systems and DVR security systems at the middle and high schools
- Technology licenses, software and hardware upgrades
- Technology technician services through staffing service
- Full-time School Resource Officer
- Additional student Chromebooks/Chromeboxes
- Teacher Chromebook availability
- Replacement of failing projectors and cabling upgrades
- Replacement of outdated PC labs that are over seven-years-old (one at the high school and one at Orchard View Early Elementary)
- Auditorium technology maintenance and upgrades



*Students in Ms. Romberger's classroom work on Chromebooks thanks to the millage funding.*

## Plans for 2016-17 & Beyond
- Continue with increasing student access to appropriate technology
- Complete phase two of camera project including Cardinal Elementary, Orchard View Early Elementary, and Orchard View Community Education
- Additional security enhancements at main entrances
- Replacement of failing classroom technology including projectors and microphones
- Continuing auditorium technology maintenance and upgrades
- Technology licenses, software and hardware upgrades
- Technology technician services through staffing service
- Full-time School Resource Officer
- Opportunities for professional development



*"We would like to thank our community for this millage which allows us to have Chomebooks in our classroom to use for writing essays, researching information, reading articles, and many other educational programs we can now access."*

—Lori Romberger
High School Special Education Teacher

*Security cameras help schools ensure safe and secure learning environments, protect students, staff, and school property.*

## 2015-16 Dollars Spent
| | |
|---|---|
| Technology: | $131,488.00 |
| Professional Development: | $       0.00* |
| Security: | $237,589.00 |
| **Total:** | **$369,077.00** |

*Professional development paid for out of separate funding sources.*

**www.orchardview.org**

# Ravenna Public Schools
## Planted in Promise, Growing in Pride

**Technology & Security 4 Students**

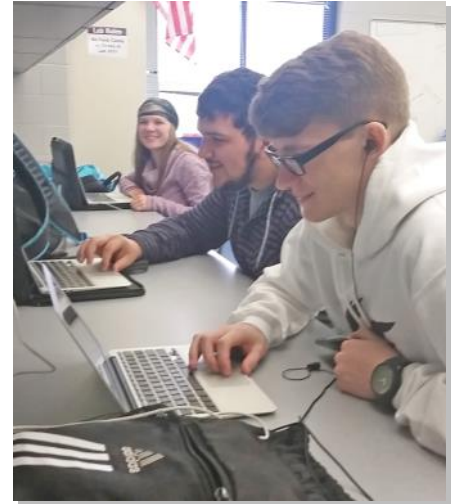## Second Year Success in 2015-16
- Upgrades to network infrastructure
- Upgrades to wireless technology in all buildings
- Implemented video surveillance on all district busses
- Upgraded district software
- Maintenance of current classroom tech equipment
- Additional Security camera upgrades
- Provided multiple professional development opportunities to the teaching staff in the areas of assessment, blended learning and subject-specific applications.
- Improved the district brand with new updated website development

## Plans for 2016-17 & Beyond
This school year will expand upon the previous success of the *One-Step-Ahead* initiative that was started in 2013. This will include replacing four-year-old iPads in the third and fifth grades to allow better curriculum instruction. In addition, four-year-old faculty computers will be replaced. Security advancements will include the addition of more security cameras in each building along with redesign/construction to enhance the security entrance at the high school. Additional one-on-one training of the professional staff will move forward with the assistance of a Technology Coach who will help write and model technology enhanced lessons.



*Autumn, Sage and Eric (L to R) utilize Chromebooks to enhance their studies at Ravenna High School.*

*"Through the generosity of Muskegon County taxpayers, Ravenna High School students remain on the cutting edge of technology, greatly impacted by the technology millage. Because of this, and our own one-to-one initiative, teaching and learning are enhanced, student engagement in the classroom is at an all-time high, and students take a leadership role in their own education. The end result is a graduate that is even better prepared to enter college, attend a trade school, or enter a skilled profession."*

*—Steve Anderson, High School Principal*



*Fourth grade students Kylie and Madison enjoy the powered-up way of life at Ravenna.*

## 2015-16 Dollars Spent:

| | |
|---|---|
| Technology: | $180,923.65 |
| Professional Development: | $      0.00** |
| Security: | $      0.00** |
| **Total:** | **$180,923.65*** |

www.ravennaschools.org

*Districts may use carryover funds and/or accelerate spending beyond the revenue received based on district needs to cover larger projects.*
**In 2015-16, Ravenna had the most immediate funding needs in the area of technology with slight upgrades in security and some professional development paid for out of other separate funding sources.*

# Reeths-Puffer Schools
## A Great Place to Learn, Contribute and Compete

**Technology & Security 4 Students**

## Second Year Success in 2015-16

- Equipped computer labs (30 workstations each) at RP Elementary, Central Elementary, Twin Lake Elementary, and RP Intermediate
- Added 362 additional student devices in the district and added 20 Chromebook charging carts
- Upgraded camera monitor and DVR security system (digital format)
- Keyless entry system expansion and security improvements
- Technology added to McMillan Early Childhood Center
- Upgrades to the intercom systems for security purposes
- New classrooms outfitted with multimedia equipment
- Replaced classroom computers used to deliver instructional content
- Added tablets (20) at Reeths-Puffer Elementary
- Sound system upgrades for band and choir rooms
- Added two sets of *LabQuest 2* wireless probeware systems to allow high school students the ability to test scientific questions
- Expanded reading options for students through the purchase of e-Books that can be checked out on student devices from home
- Increased use of assistive technology software and apps



*New technology is a key component as students collaborate to complete their project.*

## Plans for 2016-17 & Beyond

- Replace remaining classroom computers used to deliver instruction
- Continue adding chromebooks and other student devices
- Upgrade network and security systems to meet growing demands
- Continued support for security staffing
- Offer "teacher technology proposal" process to award team projects to add technology into the classroom, tap into online instructional resources, and offer e-book checkouts for our students
- Continue to offer professional learning for use of new devices



*"Having this technology available in our classroom allows us to connect our learning immediately to historical events and helps us to make sense of what we are reading."*

- Chris Spring, Fifth Grade Teacher
Reeths-Puffer Intermediate



*Students use Chromebooks and Google Classroom to access classroom resources. They utilize the cloud to receive and submit learning content.*

## 2015-16 Dollars Spent

| | |
|---|---|
| Technology: | $606,477.34 |
| Professional Development: | $ 0.00** |
| Security: | $ 67,536.00 |
| **Total:** | **$674,013.34*** |

**www.reeths-puffer.org**

*Districts may use carryover funds and/or accelerate spending beyond the revenue received based on district needs to cover larger projects.*
**Professional development paid for out of separate funding sources.*

# Whitehall District Schools
## Our Mission is Achievement for Each Learner

**Technology & Security 4 Students**

## Second Year Success in 2015-16

- Education Technology Specialists provided support and helped integrate technology into teaching
- Computers were provided to grades four and nine as part of the one-to-one initiative
- The Shoreline Elementary computer lab was updated with new computers
- Security improvements were made to selected buses and Shoreline Elementary exterior doors

## Plans for 2016-17 & Beyond

- In 2016-17 the one-to-one initiative continues with the first year of the replacement of computers purchased three years ago
- Education Technology Specialists will continue to provide support for integrating technology into the classroom
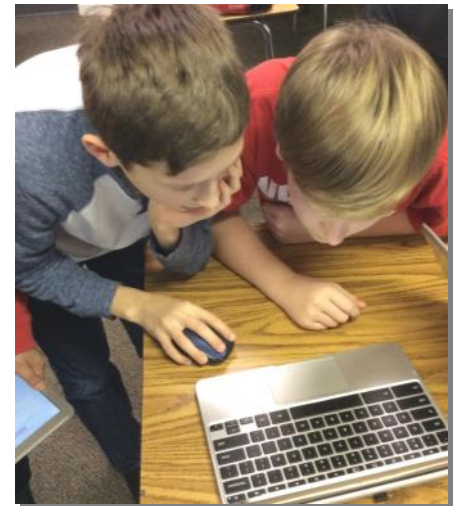- Other classroom technology and security-enhancing purchases will be made

*Students discover information using one-to-one devices.*

*"It's amazing to see the progress Whitehall is making integrating technology into teaching. It's truly exciting to see students and teachers continue to discover, learn, and succeed!"*

—Education Technology Specialist Nick Smith

*Technology is integrated into teaching, and students help each other.*

## 2015-16 Dollars Spent

| | |
|---|---|
| Technology: | $339,101.59 |
| Professional Development: | $ 3,686.77 |
| Security: | $ 10,583.82 |
| **Total:** | **$353,372.18*** |

**www.whitehallschools.net**

*Districts may use carryover funds and/or accelerate spending beyond the revenue received based on district needs to cover larger projects.*

*We are so thankful for the opportunity the millage has provided for us to get Chromebooks into our students' hands. Chromebooks are used daily for writing instruction and have motivated students to write more than ever before!*

—Stephanie Lewis and
Laura Dault,
Fifth Grade Teachers
Orchard View
Cardinal Elementary

## Technology Helps Students Learn

The Technology & Security Enhancement Millage has made it possible for districts to begin to purchase needed technology to improve teaching and learning. In tandem with the purchase of technology, districts have committed resources to support students and staff learning to use the new technology. This training is critical to the effective use of technology to improve learning.

For example, school district media specialists, tech integration specialists, and teachers are working in classrooms during prep hours and after school to support teachers and model integrating technology into daily lessons. In addition, school districts are continually adding to online collections of learning resources including step-by-step guides, online tutorials, and links to integration projects. Teachers are using these rich resources to improve learning in the classroom.

School districts and the Muskegon Area Intermediate School District are also providing before school, after school, and online technology integration workshops and supporting teachers as they attend multi-day tech academies and tech conferences in the summer. School districts in Muskegon County have also adopted the suite of Google tools as their educational standard to make it easier to share online resources and provide more cost-effective training.

Of course integrating technology into daily lessons requires thousands of students and teachers to quickly and simultaneously access the Internet. Schools must have a robust wireless infrastructure and technical support to provide online access to collaborative tools and rich online resources including virtual textbooks, instructional video clips, and virtual models. The enhancement millage dollars are making it possible for these critical needs to be met as well.

# Technology Helps Keep Students Safe



Our districts have taken a wide variety of approaches to keeping students safe. All have worked closely with law enforcement and have been able to implement many of their suggestions with millage funding.

For example, many have reconfigured building entries so visitors have to buzz in and/or pass through the main office to access student-occupied areas. Schools have upgraded and added security cameras to buses and buildings, installed key card access for exterior doors, fitted exterior windows with impact-resistant film, and trained staff in crisis response strategies.

School districts have taken unique approaches to protect students and staff as well. For example, one school district has installed "door boots" to prevent intruders from breaking through interior classroom doors. Another has equipped on-duty police officers with building guides, maps, and master keys for each building.

Students learn best in safe and secure environments.



*"We could not have made these security improvements without the support of our taxpayers. The community has played a huge role in making our schools safer. We cannot thank you enough."*

—Holton Public Schools
Superintendent Jason Kennedy


Muskegon Area
**Intermediate School District**
630 Harvey Street
Muskegon, Michigan 49442-4278
*Phone* 231-777-2637  *Fax* 231.773.1028
www.muskegonisd.org

# What Law Enforcement Has to Say about the Millage

*"As a result of the support of our community, our area school districts have been able to create a safer learning environment for our youth. With the addition of monitored video intercom systems, districts are able to create a single point of entry which helps with screening of persons entering a building."*

—Sheriff Michael Poulin
Muskegon County Sheriff's Office

*"I have observed major changes in many Muskegon County school districts in the past few years in regards to security. School administrators have worked closely with local law enforcement to ensure the safety of our children."*

—Chief Jon Gale
Norton Shores Police Department

*"The security of our school buildings during the school day and also during sporting events is constantly on our minds. This millage provides the funding schools need to make their facilities safer. In addition to providing a School Resource Officer, we regularly conduct site security assessments and make recommendations for improvements to lighting, fencing, door security, and other items."*

—Chief Jeffrey Lewis
City of Muskegon Director of Public Safety

*"It is very comforting to me to know that our community and school districts have made the safety of our children their top priority. The additional layers of security, both procedurally and physically, have allowed our educators to stay focused on the task of educating our children. I have been in many of our school districts, and the dedication and effort of the staff is very impressive."*

—Undersheriff Ken Sanford
Muskegon County Sheriff's Office