

Technology, Equipment and Facilities Plan

"We, the family of St. Mary's School, are committed to promoting Catholic values to God's children through faith, Christ-centered worship, service and academic excellence."

I. Introduction: Our Mission and Identity

A. Parish Mission Statement:

Our parish, Nativity of the Blessed Virgin Mary, grows only in Christ and through the gifts of the Holy Spirit. Flowing from these gifts, we dedicate ourselves to live and proclaim the Gospel message of Christ's love. To live Christ's love may at times be difficult. Nevertheless, it is our goal.

We are called to reach out to our parish family, to the needs of the local community, the diocesan Church, the universal Church, and to the global community. We do this by being attentive to the voice of God found in the Sacred Scriptures, in the Sacred Tradition of our Catholic faith, and through an informed conscience which we try to cultivate.

In light of our baptism, we try to be Christ-centered in every aspect of our faith life.

B. School Mission Statement:

We, the family of St. Mary's School, are committed to promoting Catholic values to God's children through faith, Christ-centered worship, service and academic excellence.

St. Mary's School was established to nurture and enhance the growth of the Christian faith among its parish youth. Its purpose is the gradual formation of confident Christian men and women capable of accepting leadership in the ever-changing world.

Jesus said, "Go forth among the people," and our German founders did that as they moved west and settled the Village of Marathon in 1856. Through the works of many hands and the toils of many years, their dreams for a community came to fruition. They

built a parish community that included family and school. This community now continues to grow.

St. Mary's School provides a strong academic curriculum with a dedicated faculty that develops student relationships to God, self, humanity, and nature. Faith and moral values are the foundation upon which the curriculum is built. Liturgical celebration of the Word and Sacrament are an important part of the school experience. We believe in the development of faith through the creed, prayer and commandments.

St. Mary's School emphasizes giving witness to Christian living. Seeking to achieve academic excellence, St. Mary's students are recognized for their uniqueness and are encouraged to develop to their full potential.

As the founders envisioned, the present leaders carry on the Catholic Christian education of students in our area as they seek to serve the church, society, and the world.

II. Educational Technology Philosophy

St. Mary's annual enrollment ranges from approximately 170-190 students. The staff consists of one administrator, twelve full-time and one part-time teaching position, one librarian, and four support staff.

Technology has and will continue to be utilized throughout St. Mary's School to support and enhance the basic skills in the areas of creativity, learning, and higher-level thinking.

St. Mary's will maintain adequate hardware and software to support the curriculum and to allow access for research via the Internet.

A Technology Professional Learning Committee is responsible for the maintenance of a technology plan for Four-Year-Old Kindergarten through Grade 8 and the instructional staff. This will include planning for the purchase of the school's hardware and software to allow for the incorporation of technology into the schools' programs.

III. Technology Professional Learning Committee

The Technology Professional Learning Committee consists of the following members:

Mr. Koch	Principal
Mrs. Borchardt	Computer Instructor
Mrs. Drexler	Computer Instructor
Mrs. Koch	Computer Instructor

Additional people that are consulted: Adam Jacobson - Marathon High School Business Education Teacher/District Technology Coordinator and Jeff Dirks - Dirks Group Owner

The Technology Professional Learning Committee will meet to discuss current technology needs at St. Mary's School. This will include the need for enhancements, updates, or expansion of technology based on current and/or upcoming needs. The committee will be responsible for planning for the future of the school's educational programs in anticipation of change, growth and improvement of existing and emerging technology. The primary goal of the committee will be to ensure the students and teaching staff have access to functional technology to perform critical daily tasks requiring technology. The Technology Professional Learning Committee will periodically assess whether the needs of teachers, staff and students are being met as technology updates are made throughout the school year.

IV. Technical Support

A Computer/Technology Request Form is completed for technical support issues and technology support is provided by multiple sources as follows:

- Mrs. Borchardt-Computer Lab, SMART board and Technology Support
- Mr. Koch -Renaissance, SIS and Chromebook Support
- Mrs. Koch-Moby Max Technical Support
- Dirks Group-Technology Support, Needs Assessment and Strategic Planning

V. Current Status of Technology Curriculum

St. Mary's computer curriculum is in line with state and national technology standards.

St. Mary's computer lab is equipped with a teacher desktop, twenty-three desktop stations for students, a laptop connected to a SMART Board, a black and white printer, a color printer, and a scanner connected to a teacher desktop.

Computer classes are taught by teachers with experience using computers and knowledge of various computer programs. The curriculum includes basic computer skills at the lower levels including knowledge of the parts of a computer, how to use a mouse, and how to type (basic word processing). As the students get older they learn more advanced word processing as well as how a network functions, how to create a webpage, how to put together presentations, and how to analyze data using spreadsheets. In addition, students learn introduction to coding. Students gain a well-rounded instruction of Microsoft Office and Google Docs as well as how to use other programs such as Kid Pix, Inspiration, SmartNotebook, Google Docs, Prezi, Typing Club, and Tynker.com (coding).

Students in grade 4K receive an introduction to keyboarding during a 20 minute class every other week during the second semester. Students in grades 5K-3 have one thirty-minute computer class per week and receive basic keyboarding instructions using web-based programs. Students in grades 4-5 have two thirty-minute computer classes per week. Students in grades 6-8 have two forty-minute computer classes per week. The use of the internet is also utilized to supplement not only computer classes but other core subject classes as well. Each grade level teacher, starting in 4th grade, requires some classwork and projects to be done using computers for a variety of lessons throughout the year. 160 Chromebooks are available for students to use for this classwork. Older Chromebooks are available for classes that use technology less often.

Students receive an academic grade in computer instruction on their report card based on projects and words per minute requirements using the Typing Club program.

An ongoing process is in place to obtain input from various sources to assess the adequacy of computer instruction to ensure students' skills meet high school requirements. As the vast majority of students who graduate from St. Mary's, then attend Marathon High School, Adam Jacobson, the district technology coordinator is one prominent source. Another prominent source is Dirks Group, who performs our external technology support and also assists with strategic planning. This ongoing

process includes periodic surveys and formal as well as informal meetings with pertinent stakeholders.

VI. Inventory – Software, Hardware, Facilities, Multimedia Equipment (By Room)

Teachers, staff, and other pertinent stakeholders have been formally and informally surveyed as to goals of present and future technology planning. Input has included hardware and software needs, frequency of computer instruction, Internet requirements, and scope of future technology development. This assessment is an ongoing process. The following list includes current technology in classrooms:

CLASSROOM:	ITEM:	QUANTITY:
4K/108:		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	SMARTBoard	1
	Epson Projector	1
	Sony CFD-V15 CD Radio Cassette recorder	1
	NEC Phone	1
	Recharger Cart – 24 Chromebooks	1

5K/107:		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP Desktops-Student	3
	Netgear FS108 Switch	1
	Headphones	3
	Brother HL-2070N Printer	1
	SMARTBoard	1
	Epson Projector	1
	IPEVO Ziggi HD Document Camera	1
	Panasonic VCR	1
	Sony CFD-V17 CD Cassette-Corder	1
	NEC Phone	1

1st Grade/101:		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP Desktops-Student	4
	Netgear FS108 Switch	1
	Netgrear GS108 Switch	1
	Brother HL-2070N Printer	1
	SMARTBoard	1
	Epson Projector	1
	IPEVO Ziggi HD Document Camera	1
	Magnavox DVD/VCR DV225MG91	1
	Sony CFD-V17 CD Cassette-Corder	1

	Panasonic Cassette Recorder	1
	Headphones	3
	NEC Phone	1
2 nd Grade/102:		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP Desktops-Student	4
	FS108 Netgear Ethernet Switch	1
	Brother HL-2070N Printer	1
	SMARTBoard	1
	Epson Projector	1
	IPEVO Ziggi HD Document Camera	1

	Toshiba VHS W522	1
	Sony CFD-V17 CD Cassette-Corder	1
	Nook E-Reader (Teacher Owned)	1
	NEC Phone	1
3 rd Grade/210		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP Desktops-Student (New)	3
	FS108 Netgear Switch	1
	Brother HL-2070N Printer	1
	SMARTBoard	1
	Epson Projector	1

	IPEVO Ziggi HD Document Camera	1
	Hitachi VCR FX621	1
	Sony CFD-V17 CD Cassette-Corder	1
	NEC Phone	1
4 th Grade/211		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP Desktops-Student (New)	3
	FS108 Netgear Switch	1
	SMARTBoard	1
	Epson Projector	1
	IPEVO Ziggi HD Document Camera	1

	Curtis RDC332 Compact Disc Player	1
	NEC Phone	1
	Recharger Cart (23 Chromebooks)	1
5 th Grade/305:		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP Desktops-Student	3
	GS108 Netgear Switch	1
	Brother HL-2070N Printer	1
	SMARTBoard	1
	Epson Projector	1
	IPEVO Ziggi HD Document Camera	1

	Samsung VCR/DVD Player	1
	Sony CFD-S28 CD Radio Cassette- Corder	1
	NEC Phone	1
	Recharger Cart (17 Chromebooks)	1
6 th Grade/203:		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP Desktops-Student	5
	Netgear GS108 Switch	1
	HP 1820-8G Switch	1
	White Netgear 10/100M Switch	1
	Brother HL-2070N Printer	1

	SMARTBoard	1
	Epson Projector	1
	IPEVO Ziggi HD Document Camera	1
	Sony SLV-N50 VHS VCR	1
	Sony CFD-6 CD Radio Cassette- Corder	1
	NEC Phone	1
	Recharger Cart (20 Chromebooks)	1
Social Studies/Literature/7 th & 8 th Homeroom/303		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP Desktops-Student	4
	Netgear GS108 Switch	1

	Lanier LP137CN Printer	1
	Emerson SDTV	1
	Magnavox VCR/DVD Combo	1
	NEC Phone	1
	Recharger Cart (20 Chromebooks)	1
6 th -8 th Math/3 rd -8 th Phy Ed/7 th & 8 th Homeroom/306:		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP Laptop (New)-SmartBoard	1
	HP Desktops-Student (New)	4
	Netgear FS108 Switch	1

	American Power Conversion Back- UPS	1
	Brother HL-2070N Printer	1
	SMARTBoard	1
	Epson Projector	1
	Sharp SDTV	1
	Coby DVD Player	1
	NEC Phone	1
	Recharger cart with 20 Chromebooks	1
5 th - 8 th Science, Religion, & Homeroom/204		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1

HP Desktops-Student	4
Netgear GS108 Switch	1
Brother HL-2070N Printer	1
SMARTBoard	1
Epson Projector	1
IPEVO Ziggi HD Document Camera	1
Toshiba DVD Video Player/Video Cassette Recorder SD-V290	1
Sony CFD-S28 CD Radio Cassette- Corder	1
Porta Scribe Overhead Projector (Not used)	1
NEC Phone	1
Recharger Cart (20 Chromebooks)	1

6 th -8 th Math/3 rd -8 th Computer/7 th & 8 th Homeroom/307:		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP L1750 Monitor	1
	HP Stream Pro 11 Notebook	5
	NOR-GN01005-PK-SO Charging Station	1
	HP Desktops-Student	4
	Netgear GS108 Switch	1
	SMARTBoard	1
	Epson Projector	1
	IPEVO Ziggi Document Camera	1
	Toshiba TV	1

	Sony CFD-V17 CD Radio Cassette- Corder	1
	NEC Phone	1
	Recharger Cart (20 Chromebooks)	1
Music 304	HP ProBook 640 G8 Laptop-Teacher (01/21)	1
	Recharger cart with 20 laptops	1
	SMART board 2019	1
Office/Principal		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP OfficeJet Pro 8720 Printer (2018)	1
	Chromebooks	19
	NEC Phone	1

Main Office/School Secretary		
	HP Desktop CPU	1
	HP Compaq LE1911 Monitor	1
	HP Basic USB Keyboard	1
	Dell Laptop (Used only for School Digital Sign)	1
	iPad (Donated/Primarily used by school secretary)	1
	HP Office Jet Pro 8600 Plus Fax/Scanner/Copier	1
	Lanier MP 5500/LD255 PCL 5e Copier	1
	IO Gear Flash Card Reader/Writer GFR 209	1
	Sharp Adding Machine EL-1197PIII	1

	IBM Wheelwriter 3 Typewriter	1
	USI, Inc. Laminator Model ARL- 25MR	1
	Intermatic Next Generation Bell System ET 70115C	1
	RCA MP3 Player (Personally owned)	1
	GBC Shredmaster 70S Shredder	1
	NOAA Weather Radio	1
	NEC NVM-Series Voice Mail and Automated Attendant Phone System	1
Resource Room:		
	HP Desktop-Student	1
	Cisco Linksys Switch	1

Samsung SCX-5935FN Printer/Copier	1
HP Deskjet 825c Printer	1
Kyocera Mita KM4035 Copier	1
Vizio Flat Screen TV	1
Sanyo DVD/VCR Player	1
1-Way VHS Rewinder Kinyo	1
Emerson Multi-Angle Surround System CD Player	1
Cricut Expression	1
Consort II Overhead Projector	1
Porta-Scribe G-100-LT Overhead Projector	1
NEC Phone	1

Library/207		
	HP ProBook 650 G4 Laptop-Teacher (08/19)	1
	HP Color LaserJet Pro M252dw Printer	1
Kitchen/103		
	HP ProBook 650 G5 Laptop-Staff (10/20)	1
	HP Officejet 6700 Premium	1
	Casio Calculator HR-150TM	1
	Royal HT500X Shredder	1
Computer Lab/2 nd Floor	Network/Server:	
	HP ProLiant ML350p Gen8 Server Tower	1

HP Common Slot High Efficiency Power Supply 80 Plus Gold	1
HP Enterprise Hard Drive 300 GB SAS-2	1
HP 8GB Dual Rank Memory Kit	1
HP T1500 GD 1400 VA Tower	1
CIPA Filter	1
Hardware:	
HP Compaq Desktop-Teacher	1
HP Photosmart 2575 Printer, Scanner, Copier	1
	20
Copier	

HP Mouse	20
Skin Sets	20
HP ProBook 6570b Laptop (SMARTBoard)	1
SMARTBoard	1
Epson Projector	1
Lanier LP137CN Printer-Color	1
Lanier Printer (Black & White)	1
NEC Phone	1
Software:	
Windows 8 Pro (OS)	
Microsoft Office 2007	
Deep Freeze	

Type to Learn 4 (Web Based)	
Accelerated Reader (Web Based)	
Mobymax (Web Based)	
Inspiration	
Kidspiration	
KidPix	

VII. Current State of Technology

All faculty and staff are proficient using the current technology. Teachers incorporate various forms of technology into daily lessons to enhance student learning. Faculty and staff use email and Google Apps frequently to communicate within the school as well as with parents and community members.

St. Mary's School has wireless internet throughout the school. The internet is used in every classroom for a variety of purposes. Students and teachers do research online as well as use other web-based programs such as Accelerated Reader (AR) and Moby Max.

Each classroom has a teacher computer that is connected to a SMARTBoard and has either 3-5 student computers or access to a class supply of Chromebooks. There are 20 Chromebooks, purchased in 2021, in each of the five grades 4-6 homerooms, music and one in a middle school homeroom. Three grades 7-8 homerooms have a set of Chromebooks that were purchased in 2022. Grades 4K – 3 have access to a class supply of portable Chromebooks available to them, which were purchased in 2019 and were four years old at that time. Teachers use their computers and SMARTBoards to integrate technology into their daily lessons. Fifteen new laptop computers were purchased for the teaching staff in the 2019-20 school year. Teachers

use Smart Notebook, document cameras, videos, and other online tools in lessons. Students also use the SMARTBoards to present information.

Students use the classroom computers for a variety of tasks including taking AR tests, researching project information, creating projects in Office or Google Docs, and using other internet tools such as Prezi. Students use cameras and computer software to create videos. An Acceptable Use Policy (AUP) is in place for both staff and students and needs to be signed in order for both to use technology at St. Mary's.

St. Mary's School maintains a school webpage. This webpage includes current events, teacher biographies, and important documents for parents including calendars, lunch menus, Scrip forms, etc. Remind is used to send important reminders via text messages to parents and staff. A Facebook page and YouTube channel are used to highlight events and illustrate school accomplishments.

VIII. Future Hardware

Technical support, maintenance, and periodic evaluation of equipment will dictate the priorities for the technology plan. St. Mary's School technology support will assist in routine maintenance of the hardware. Technical services and support are contracted from Dirks Group, a local business, for maintenance beyond the capabilities of the in-house staff.

A phased approach based on available funding has been in place to update technology. St. Mary's became a Google School in 2019 which included the purchase of 175 Chromebooks. In 2019, St. Mary's also purchased a Student Information System (SIS), Sycamore, that has allowed for online grading as well as easier access to student information. Wi-Fi connectivity was upgraded in 2020 to supply access points in each classroom as opposed to two in a hallway. Internet download/upload speed was upgraded from 100/10 to 600/35 in 2021. A new server replaced the prior server in summer 2022. Classroom switches are becoming dated as well as SMART Boards. A review of the computer lab desktops also will need to be done to see when they may be replaced. One failed over the summer of 2022 and all are getting near the end of a normal tech life. When replacing the Chromebooks, especially the used ones purchased in 2019, it will need to be determined whether buying a much cheaper used option from the public school is a better option than purchasing new ones. Thus, an analysis of dated technology as well as upkeep and maintenance of technology recently purchased is being done as part of our phased approach.

In addition, there is an ongoing conversation on educational software. This discussion is part of the computer class being taught but also pertinent to instruction in all classrooms. Included is the role of online textbooks.

IX. Budget Summary

See Section VIII for a listing of technology projected for replacement within the next 3 years.

Device:	Estimated Replacement Cost:
Student Lab Computers (20)	\$15,000-\$20,000
Switches (classroom)	\$1000
SMART Board replacement	\$4000

X. Funding Sources

A review of the technology budget and funding has indicated that the funding sources are varied, and technology funds are sufficient enough to allow for a surplus of funding. If funding was to change to a deficit, an increase in technology fees or relying on parish funds that are dedicated to the school would be done. Funding for technology projects is provided by the following sources. Approximate percentage is based off technology purchases starting in 2019.

- Technology Fees	10%
- Home and School Committee Fundraisers	30%
- Technology Grants	45%
- Donations	15%

XI. Technology Hardware and Software Review

St. Mary's School will continue to maintain and update the following hardware and software:

- HP ProLiant Server (Installed in 2022)
- Windows or Chrome OS on all devices
- Content Filter (CIPA filter)
- Deep Freeze on all student computers
- Microsoft Office 2007 (computer lab)
- SMARTBoards
- Document Cameras
- Printers
- Kid Pix software
- Inspiration software
- Typing Club (web-based)
- Accelerated Reader (web-based)
- Remind
- Resource Mate (Library)
- DreamWeaver, Fireworks, Bridge software (Webpage specific)
- LEDDesigner software (School sign specific)
- Sycamore (SIS)
- Moby Max

XII. Continuing Education with Technology for Teachers

The Home and School Committee supports teachers in gaining education on new and existing technology. Teachers are provided the opportunity to choose a class or conference to further their education in technology.

The teachers will also share their knowledge of technology by educating and mentoring other teachers.

Classes may include but are not limited to the following:

- CESA 6 and/or 9
- Diocese of La Crosse Workshops/In-Services
- Marathon County Special Education
- Marathon School District
- Workshops at St. Mary's

XIII. Enhancement of Teaching Through Technology Advancement

Technology advancement will provide opportunities to build a substantial knowledge base. From a teaching standpoint, learning and using available technology will serve as a springboard for continuing to find new avenues for presenting core curriculum or integrating resources. Technology can be used to spark students' interest in a topic and allow them to participate more fully in the learning process.

Collaboration with other faculty members and other educators in the area will further expand opportunities for enhancing the curriculum as well as serve as a peer partnership in discussing the uses of technology in the classroom.

XIV. Enhancement of Student Achievement Through Technology Advancement

Students will have the opportunity to gain and develop knowledge using technology provided at St. Mary's School. Technology will help students to learn how to use different forms of communication, build critical thinking skills and foster creativity. Through technology, students will not only be able to accumulate knowledge, but they will also be able to apply, analyze, and evaluate what they have learned.

New technology will serve as means of building upon prior knowledge. It will provide new opportunities to learn about our world and how to communicate effectively. Current technology can expose students to new ideas and help them be prepared for their future.

XV. Equipment Plan

There are multiple areas to analyze regarding equipment including the school building, classroom, playground and technology. Many areas of concern are addressed under the facilities plan. Many of the materials in the classrooms are dated but as of now desk, chairs and whiteboards (many of which were replaced in the last five years) are sufficient. The equipment of the playground, as well as the entire school building, is reviewed at least once every three years by Catholic Mutual and weekly by the plant manager. The 2021 visit found the need to remove a lava lamp and have eyewash in the science lab which were both rectified. Previous visits found that the playground equipment was in good shape but that the clips for such things as the swings needed to be replaced, which they were. A visit from Minnesota Wisconsin Playground salesperson, Tim Newgard, in 2018 had similar findings. Despite trying to sell us equipment, he did not see a need to replace equipment for an additional ten years. He did show St. Mary's different options to replace the pebbles in the playground including an ADA compliant rubber flooring which cost approximately \$10,000. The technology equipment requirements can be found under the preceding technology plan.

XVI. Facilities Plan

A facilities survey was completed in April 2022 by St. Mary's staff. Over 80% of those given a survey, returned the survey, and eight of the ten questions had over 80% of respondents either strongly agree or agree with the statement. The main areas of weaknesses are cleanliness of the school and comfortable temperatures of classes. Cleanliness is an issue for health reasons but also a sloppy school isn't conducive to learning. Although other responses indicate that the facility has a strong learning environment. The other area of concern was a comfortable temperature. Follow up by the principal with staff indicated that some classrooms are too warm or too cold depending on the season and/or location of the classroom (some days one classroom on the third floor could be too warm while another on the first floor is too cold).

The beautification of the front lawn was initiated in 2017 and included repainting the area above the front door to place emphasis on the statue of the Virgin Mary, a My Little Library constructed by the class of 2018 and a parish couple as part of service day, the St. Mary's logo in flowers, a Hill of Crosses including crosses from each graduating class and an Eagle Project announcement board. No new changes for the front lawn are planned. Ongoing projects inside the school include painting classrooms, new carpets and new shades. The parish has a facilities use form that needs to be filed out for use of the facilities (usually gym). The parish priest is the main contact person for parish events needing facilities usage, the school principal for school use and the plant manager for summer usage.

There are many areas of the building and grounds that could be updated or changed in the next five years. The building has areas inside and outside where new paint is necessary including classrooms, gym, hallways, the flagpole, outside basketball backboards and the lower part of the south side of the school. New carpeting could be used on the second floor entryway to the playground, rooms 303 and 305, music and band rooms and the resource room. An asbestos abatement is needed for all these projects as well as the construction of a "drive through" window by the main office, between the outer and inner doors. There are interior doors that need to be replaced. Five new classroom doors were purchased as part of a school safety grant that are scheduled to be installed on third floor during the Christmas 2022 school break. The four additional doors have been measured. LED lights for the classrooms is another item that the plant manager has researched. A handless water fountain on the second floor could be installed so that each floor would have one.

The concrete immediately outside the front door consisting of four large blocks is in need of replacing as well as the nearby sidewalk. The plant manager has collected estimates on replacement. Long term, the alleyway between the north side of the school and the rectory needs to be blacktopped again. When this is done the drainage pipes should go under the alleyway to prevent icing. There is a plan in place to tuckpoint parts of the school. In 2019, the roof for the gym and the second floor northern roof were replaced but future areas may need to be replaced. Sewage and water pipes, located under the kitchen were consistent issues in 2019 and 2020 but have not been an issue of late.