

Au Gres-Sims School District



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District School Code # 06020

District Educational Technology Plan

Start Date: July 1, 2015 End Date: June 30, 2018

Creation Date: April 10, 2015

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Bay Arenac ISD – 09-000

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TABLE OF CONTENTS

Contents

Section 1: Executive Summary 3

Section 2: Introductory Material 3

Mission Statement 3

District/School Statistics..... 3

Buildings and Facilities..... 4

Technology Planning Committee Members..... 4

Section 3: Vision and Goals 4

District Vision..... 4

Technology Plan Goals 4

I. CURRICULUM 5

Section 4: Curriculum Integration 5

Section 5: Student Achievement 8

Section 6: Technology Delivery 9

Section 7: Parental Communications and Community Relations..... 9

Section 8: Collaboration..... 10

II. PROFESSIONAL DEVELOPMENT..... 10

Section 9: Professional Development Programs/Activities..... 10

Section 10: Supporting Resources 11

III. INFRASTRUCTURE, HARDWARE, SOFTWARE, TECHNICAL SUPPORT, & DESIGN 122

Section 11: Current Technology 122

Technology Needs Assessments..... 14

Technical Support..... 14

Section 12: Increase Access 145

IV. FUNDING & BUDGET 15

Section 13: Budget & Timetable..... 15

Section 14: Coordination of Resources..... 16

V. MONITORING AND EVALUATION 16

Section 15: Evaluation 16

Section 16: Acceptable Use Policy..... 16

APPENDIX A 18

APPENDIX B..... 19

APPENDIX C..... 22

APPENDIX D 25

Section 1: Executive Summary

State of Michigan Vision Statement Michigan State Board of Education

Technology is the systematic application of knowledge, materials, tools, and skills to extend human capabilities. Learning with and about technology prepares learners to live responsibly in a democratic, technologically driven society. Learners will use technology for knowledge and skill acquisition, communication and information management, problem solving, creative expression, research, design, and product development. Learners become technologically capable when they apply technology across curricular areas and when technology is used throughout the learning process. A technologically capable learner:

- Applies ethical, responsible, and legal standards;
- Develops knowledge, ability, and responsibility in the use of resources, process, and systems of technology;
- Acquires, organizes, analyzes, and presents information;
- Expands the range and effectiveness of communication skills;
- Solves problems, accomplishes tasks, and expresses individual creativity; and
- Explores, evaluates, and uses technology to accomplish, independently and cooperatively, real work tasks.

Section 2: Introductory Material

Mission Statement

“It is the mission of the Au Gres-Sims School District to educate all students to be caring, productive, and self-fulfilled citizens.”

In pursuit of this mission, the Au Gres-Sims School District will provide:

- A caring, positive atmosphere for students, staff, and community;
- All students with an education to reach their potential while also providing for their ethical and physical development;
- All students with the preparation to function successfully in the world upon graduation; and
- Opportunities for community enrichment and involvement.

District/School Statistics

Au Gres-Sims School District is a small, rural school located along US-23 in Au Gres, Michigan. The district lies in Arenac County and includes the City of Au Gres; the entirety of Sims and Au Gres Townships, parts of Whitney, Turner, and Arenac Townships; and both Big Charity Island and Little Charity Island. The Au Gres area, known for its resort activities, is nestled on the shoreline of the Saginaw Bay. There are a number of farmers throughout the district that produce cash crops such as sugar beets, pickles, and soybeans.

Au Gres-Sims School District has a tradition of sustained educational excellence with small class sizes for the 408 students enrolled in the 2014-2015 school year. These students are taught by nine teachers in the Elementary and 14 teachers in the Middle/High School, along with a full time district-wide superintendent, one principal, one business manager, a half-time athletic director, and a half-time counselor. There are 25 support staff members which include one maintenance supervisor, one food service supervisor, one in-house program supervisor, one part-time technology coordinator, two secretaries, five bus drivers, four and a half para-

educators, four cooks, two custodians, and two lunch-time monitors. Within the total student population, 61% of pupils qualify for free and reduced lunch, and 10% of the students qualify for special education services.

Buildings and Facilities

DISTRICT BUILDING PROFILE		
AGS Administration Building 310 S. Court Street P.O. Box 648 Au Gres, MI 48703 Jeffrey Collier, Superintendent Telephone: 989-876-7150	AGS High / Middle School 310 S. Court Street P.O. Box 648 Au Gres, MI 48703 Chad Zeien, Principal Telephone: 989-876-7157 Grades 6-12, 237 students	AGS Elementary School 310 S. Court Street P.O. Box 648 Au Gres, MI 48703 Chad Zeien, Principal Telephone: 989-876-7157 Grades K - 5, 171 students

Technology Planning Committee Members

Jeffrey Collier - Superintendent
Chad Zeien - Principal
Phil Hinkson –Technology Coordinator
Chad Anthony – In-House Program Supervisor
Heather Garry – Board President

Fred Robel – Board Representative
Heather Caulfield – Board Representative
Barb Richardson – High School Teacher
Kathy Pauly – Elementary Teacher

Members of the Technology Planning Committee meet annually at the advice of the Superintendent and IT team to review, keep track of goals, and update the technology plan.

Section 3: Vision and Goals

District Vision

Our vision is to provide quality-learning opportunities for all members of the Au Gres-Sims community. In pursuit of this vision, the Au Gres-Sims School District will:

- Continuously pursue academic excellence;
- Nurture thinking and responsibility;
- Engage all members of the community in the educational program; and
- Be a place where everyone is learning.

Technology Plan Goals

The goal of instructional technology education throughout the Au Gres-Sims School District is to prepare students to use the tools of a rapidly changing technological society while preparing 21st century learners.

Goals for District Teachers and Students:

- Explore, evaluate, and use technology to accomplish real world tasks
- Develop knowledge, ability, and responsibility in the use of resources, processes, and systems of technology
- Acquire, organize, analyze, and present information
- Expand the range and effectiveness of communication and collaboration skills
- Solve problems, accomplish tasks, and express individual creativity through the use of technology
- Apply legal and ethical standards when using technology

- Engage and expose students to current business sector and collegiate resources and best practices

Additional Goals of the Technology Plan:

- Provide a road map for future purchases
- Provide direction in designing and writing a computer technology curriculum / project implementation plan
- Create benchmarks for assessment of goal attainment

I. CURRICULUM

Goal: The goal of technology education in the Au Gres-Sims School District is to prepare students to use the tools of a rapidly changing technological society while preparing 21st century learners.

Section 4: Curriculum Integration

The State of Michigan is a national leader in the development of elementary/secondary curriculum standards, which describe essential learning for all students. As part of the national standards movement, the Michigan State Board of Education was required to develop standards for a core academic curriculum including math, science, reading, history, geography, economics, American government and writing.

A specific set of standards has been developed for Instructional Technology at every grade level. Technology standards specifying what students must know and be able to do, as they progress through stages of schooling, are important in fostering their development. These standards are valuable to our society at large for students, educators, parents, policymakers, employers, and providers of goods and services.

Quality indicators for curriculum development and technology include the following:

- The design of the curriculum is driven by the goals and performance indicators for student learning that have been defined by the school. The MDE Curriculum Framework will serve as a guide to this.
- The design of the curriculum takes into account the learning needs and interests of all students.
- The curriculum is clearly articulated and supports a shared vision for student learning.
- The school is committed to the on-going evaluation and renewal of the curriculum.
- The advantages of integrating applications of technology in teaching strategies and learning activities encourage teachers to provide students with learning experiences that would be impossible or difficult to achieve without technology resources.
- Effective instructional strategies and learning activities are employed to help students understand and use technology.
- Information technology resources are employed to expand and strengthen the system of assessing student learning.
- High quality assessments are employed to evaluate students' achievement of essential knowledge needed to use technology proficiently.

In order to adhere to quality curriculum development and technology education, the following table details the strategies and action plans the district has developed (determined by the Technology Plan Design Team) to achieve technology integration across the curriculum:

Strategies	Action Plans	Timeline Intervals	Budget Amounts	Evaluation Criteria	Person(s) Responsible
A. Implement and maintain the <i>Project PowerUP!</i> 1:1 instructional device Chromebook initiative	1. Determine the amount of 1:1 devices needed to purchase annually in accordance with a sustainable rotation schedule to ensure quality devices are current, functional, and modern	2015-2018	TBD	Review and assess the quantities needed each year to ensure an adequate 1:1 device per pupil ratio	Superintendent Business Manager Technology Coordinator
	2. Purchase instructional 1:1 devices (i.e. Chromebooks) via the section 22i Technology Readiness Infrastructure grant (TRIG) Spot Bid, or other competitive vendors	2015-2018	TBD	Consistently review and compare device prices while using all resources for potential purchasing options, including the TRIG Spot Bid purchasing window and third party vendors, to secure devices as needed for sustainable measures for the 1:1 initiative	Superintendent Business Manager Technology Coordinator
	3. Distribute devices to every student within grade levels (6-12) identified within the <i>Project PowerUP!</i> strategic plan	2015-2018	TBD	Review distribution processes each school year and continually evaluate to adapt and improve student distribution / collection efficiency	Principal Technology Coordinator
	4. Provide professional development for all user constituents, including board members, administrators, faculty, students, and parents / guardians	2015-2018	TBD	Use surveys, Department Chair suggestive feedback, and PLC's to continually validate and review necessary professional development for all stakeholders	Principal Technology Coordinator
B. Create and maintain a sustainable technology inventory catalogue / plan for all instructional technology assets district-wide	1. Create and maintain a staff and student 1:1 technology device inventory tracking system (checking / assigning devices in and out) using asset tags and digital databases	2015-2018	TBD	Perform annual inventory audits of all technology assets in relation to the district-created inventory tracking system	Technology Coordinator
	2. Appropriately inventory, catalogue, and apply individual asset tags to all district technology assets	2015-2018	TBD	Continually perform appropriate review and assessment of all asset tracking procedures	Technology Coordinator

C. Install and maintain, as needed, up-to-date instructional resources in the classrooms throughout the district. (i.e. Interactive white boards, mounted projectors, document cameras, audio enhancement, A.V. Rover, and handheld student mics)	1. Continually assess the needs of each classroom and the instructional technology materials already available in the classroom(s)	2015-2018	TBD	Determine classroom curriculum, room usage, and layout of the classroom	Technology Coordinator
	2. Purchase needed instructional technology assets for the classroom(s) (i.e. Interactive whiteboard, projectors, speakers, document camera, etc.)	2015-2018	TBD	Evaluate non-mediated rooms and make recommendations for purchasing decisions	Technology Coordinator
	3. Continually assess network drops and electrical wiring (CAT 6) in classrooms	2015-2018	TBD	Determine closest network closet and available breaker boxes	Technology Coordinator Electrical Contractor
	4. Provide staff with professional development and curriculum resources / training on new instructional technology in classrooms	2015-2018	TBD	Determine number of classrooms completed and curriculum to aid in use of the product	Superintendent Principal Technology Coordinator
D. Maintain and update the LCD monitors as needed in all computer labs	1. Monitor the need for continued implementation in accordance with the Project PowerUP! 1:1 initiative.	2015-2018	TBD	The operating cost of a LCD monitor per school year is \$3.528 based on power consumption. Reduced need for traditional computer labs and LCD desktop monitors will be predicated on expanded usage of 1:1 Chromebooks	Technology Coordinator
E. Maintain and update the server infrastructure as needed	1. Continually assess the equipment to determine if replacement or upgrades are necessary	2015-2018	TBD	Decisions based upon hardware age and cost of economical operation	Technology Department
	2. Purchase equipment	2015-2018	TBD	Bid out equipment to multiple vendors.	Technology Department
	3. Install equipment and migrate data and applications.	2015-2018	TBD	Install equipment into production; ensure correct connectivity to end users.	Technology Department
F. Maintain and update networking switches (Pro Curve) and upgrade to handle faster	1. Evaluate current equipment	2015-2018	TBD	Based on digital age of society, and aging hardware, faster speeds are likely to be needed.	Technology Department
	2. Purchase equipment	2015-2018	TBD	Bid out equipment to multiple vendors.	Technology Department

bandwidth speeds as necessary	3. Install equipment	2015-2018	TBD	Install equipment into production; ensure correct connectivity to end users	Technology Department
G. Expand existing wireless infrastructure (Ruckus access points) throughout the district	1. Determine which classrooms are lacking adequate wireless coverage to ensure efficient usage for 1:1 instructional implementation	2015-2018	TBD	Do a wireless site survey at each building and determine weak spots or no coverage	Technology Department
	2. Purchase equipment needed, contact contractors for electrical and data	2015-2018	TBD	Purchase needed equipment to finish upgrade wireless	Technology Department
	3. Install equipment	2015-2018	TBD	Install equipment into production; ensure wireless coverage is 100%	Technology Department

Section 5: Student Achievement

Technology is defined as the application of science especially to industrial or commercial objectives or the scientific method and the machines and materials used to achieve a commercial or industrial objective. As such, technology curriculum integrates the complimentary areas of technology education and educational technology. Technology education is defined as the study of technology and its effects on individuals, society and civilization. Educational technology is the application of technology to the teaching and learning process.

Learning with and about technology prepares learners to live responsibly in a democratic, technically driven society. Learners will be asked to use technology for management, problem solving, creative expression, research, design, and product development in their careers. Learners become technologically capable when they apply technology across curricular areas and when technology is used throughout the teaching and learning process. With that in mind, the district has developed specific outcomes for integrating technology into and across the curriculum.

Outcomes

A technologically literate learner:

- Explores, evaluates, and uses technology to accomplish real world tasks;
- Develops knowledge, ability, and responsibility in the use of resources, processes, and systems of technology;
- Acquires, organizes, analyzes, and presents information;
- Expands the range and effectiveness of communication skills;
- Solves problems, accomplishes tasks, and expresses individual creativity through the use of technology; and
- Applies legal and ethical standards when using technology.

Timeline

The outcomes listed above for technology integration into curricula will be completed by June, 2018.

Section 6: Technology Delivery

Various technologies are currently used to access “distant resources” for academic achievement. Computers are integrated into the traditional curriculum where the emphasis is on the use of the computer as a tool for learning. Various technologies are used to assist proven learning theory and must support the established curriculum.

Staff use of technology is of paramount importance and highly encouraged in all classrooms. Teachers are given abundant opportunities to work with computers. Each teacher has a telephone in his or her own classroom. Televisions, VCR's, DVD players, multi-media projectors and CD/DVD-ROM technology are also available throughout the district.

Among the technologies currently used in Au Gres-Sims Schools are internet and web resources, interactive videos, interactive classroom, audience response systems, and various other media. Other specific technologies that continue to be implemented include: *Skyward*, *School Messenger*, *Learn 360*, *Interwrite whiteboards*, *Interwrite* and *Audio Enhancement* audience response systems, and Data Warehousing. Offices and administrators are connected to the Human Resource Center and the Bay-Arenac Intermediate School District with fiber connections for administrative data, e-mail, calendaring, etc. In addition, administrators are capable of online retrieval of decision-making data and immediate access to information and communications between administrators. Fax machines are available in both the Superintendent's and Principal's offices. The counselor has capacity for online retrieval of career and college information, financial aid, and can communicate with other counselors and ISD resources.

Some of the future technologies that may be used for enhancing instruction and to improve student achievement include: online courses, video production, interactive web designs, virtual conferencing and virtual field trips, computer-assisted common assessment software, online course work (via Moodle or similar product), further mediation of classrooms, and online data collection and analysis programs. Also worth noting is that in an effort to keep technology up-to-date, we aggressively apply for grants. We have also participated in the *Computers for Learning Program* to aid in computer lab replacement.

Section 7: Parental Communications and Community Relations

The technology plan will be disseminated to the community in a variety of ways:

- Web sites
- District newsletter
- Board meetings (open to all community members)
- Hard copies of the plan are available in each building

In addition to traditional print resources, technology is used to communicate with parents and the community to promote awareness and encourage engagement:

- *Skyward* – online parent portal
- Online surveys
- A District website
- *EduLink / School Messenger* – direct communication to district parents via voice and data messages

Section 8: Collaboration

Computers and improved telecommunications have created new and unique opportunities for teaching and learning. Technology will help assure equity of access for learners as it becomes easier to match tools to the unique learning needs of students. Technology is a major focus for educational service agencies across the state and nation. Collaboration with other service providers, business, and industry are important in order to enrich technology resources in our schools and enhance learning for all.

The District collaborates with:

- Bay-Arenac Intermediate School District
- Alpena Community College
- Delta Community College
- Kirtland Community College
- Mid-Michigan Community College
- Saginaw Valley State University
- REMC 6
- All schools serving under the Bay Arenac ISD

At this time, the district does not participate in any adult literacy programs.

II. PROFESSIONAL DEVELOPMENT

Goal: Develop knowledge, ability, and responsibility/accountability in the use of resources, processes, and systems of technology through ongoing professional development.

Section 9: Professional Development Programs/Activities

The District has a great need for technology-related staff development opportunities. A wide variety of skill levels exist related to the application of technology in the classroom. We need to close the gap between the highly skilled and the under skilled technology users. Staff development is necessary to assist teaching staff in making the changes that allow them to enable technology to best support their instructional processes. Teachers often use technology in a way that is consistent with prior teaching practices. Many times this produces a misapplication of technology to teaching and learning. It takes time and experience for teachers to learn to "think outside the box" when it comes to incorporating technology into their lesson plans. Therefore, we must provide a variety of technology-related staff development opportunities that focus on effective applications of technology in innovative ways. These opportunities need to be offered at times that are convenient to our teaching staff and at locations that are suitable for course offerings. In order to facilitate appropriate and timely professional development offerings, specific professional development and training has been made available primarily through the BAISD professional development "Take out Menu."

Professional Development Timeline

Training	Presenter	For Whom	When	Funding Source
Google Classroom, Docs, Drive, Vault, etc.	BAISD / Staff	Staff	Ongoing, as needed	General Fund, Title II A
Pupil Accounting	Vendor	Staff	Annually	General Fund
Data Warehouse	BAISD Staff	New Staff K-12 Staff	Annually September 2012	General Fund
Using technology to gather and analyze data	Vendor / BAISD / Staff	K-12 Teachers	Ongoing, as needed	Title II A
Mediated Classroom Equipment	Staff	K-12 staff and administrators	Annually, as needed	General Fund
Student Information System (Skyward)	Vendor	Building Secretaries Administrators	Annually, as needed	General Fund
Financial System (New World)	Vendor	Business Manager	Annually, as needed	General Fund
Skyward	Vendor	Teaching Staff Office Personnel Administrators	Ongoing, as needed	General Fund
Integrating Technology into the Curriculum	BAISD / Staff	K-12 Teaching Staff	Ongoing, as needed	Title II A

Section 10: Supporting Resources

Many supporting resources are currently used by the district to ensure successful and effective uses of technology. Some of these resources include, but are not limited to, the following:

- District Technology Policies
- Information via District Website
- Instructional/Training Guides
- Technology Coordinator / Staff
- Help Desk Software for Ticketing Management
- BAISD, REMC Support
- Rubicon Atlas Resources
- Google / Chrome Resources
- PLATO On-line Resources

III. INFRASTRUCTURE, HARDWARE, SOFTWARE, TECHNICAL SUPPORT, & DESIGN

Goal: Au Gres-Sims School District will maintain sufficient infrastructure, hardware, software, technical support, and design for current instructional needs and while planning for future growth and development.

Section 11: Current Technology

Most of our school buildings have been in operation for 50-60 years. The Au Gres-Sims School District has carefully considered our building infrastructure during our technology planning processes. Continuous technological change is now a basic fact of school technology planning. Therefore, we plan strategically, and build for the continued evolution of technology through innovative design based on flexibility, diversity, and expansion. Our district's network ([Appendix A](#)) is designed to facilitate opportunities such as:

- Shared academic and administrative resources
- Enhanced curricular choices for students (via PLATO on-line learning resources, Adapted Minds.com, Accelerated Reader, Internet/Web, etc.,)
- Compatible standards among all schools within the district
- High speed data and communication exchange for administration and instruction
- Access to the Internet/World Wide Web
- Access to higher education offerings
- Electronic delivery of video, CD ROM, portable, and software resources
- Electronic links to distance learning, business, industry and governmental agencies
- Video conferencing for meetings and staff development
- Internet / e-mail account management
- Webhosting services that include a parent/student portal for secure access to grades and attendance records

Network usage and volume are monitored, evaluated, and expanded to maintain high-level bandwidth. To minimize the cost associated with some of our acquired technologies, such as telecommunications services, Internet access, and web hosting, the district receives discounts for a percentage of the total cost from the USF E-rate Program ([Appendix D](#)). Through 2015, the Au Gres-Sims School District received an annual average reimbursement of approximately 80% from the E-Rate 1.0 Program. Moving forward, the district will work within the parameters of new E-Rate 2.0 guidelines. Since the technologies in our schools serve diverse uses and functions, they need flexible designs to accommodate different activities and they must be durable enough for continuous use. The current technologies used by the district to meet the goals in this technology plan are outlined in the following tables.

Current Technology Inventory by Building

Au Gres-Sims Administrative Offices				
Type	Manufacturer	Model	Quantity	Age
Voice Systems/Telecommunication	Meridan / Nortell	M 7310 T7208	Meridan (7) Nortell (3)	Mer. since Sept. 2002 Nor. since Feb. 2007
Video Systems	NA	NA	NA	NA
Data Systems	Hewlett Packard	6005	6005 (8)	6005 (4)
Projectors	NA	NA	NA	NA

Printers	Hewlett Packard Xerox	WorkCentre 5335 CM2320 MFP P4015N LaserJet 400MFP LaserJet Pro 300MFP	WorkCentre 5335 (1) CM2320 MFP (1) P4015N (1) LaserJet 400MFP (1) LaserJet Pro 300MFP (1)	WorkCentre 5335 (1) CM2320 MFP (4) P4015N (3) LaserJet 400MFP (2) LaserJet Pro 300MFP (3)
Au Gres-Sims Elementary Building				
Type	Manufacturer	Model	Quantity	Age
Voice Systems/Telecommunication	Meridan/Nortell	M 7310 T7208	Meridan (6) Nortell (16)	Mer. since Sept. 2002 Nor. since Feb. 2007
Video Systems	NA	NA	NA	NA
Data Systems	Hewlett Packard Dell Apple	8200 6005 USDT 6005 SFF 5750 Mini 5102 7800 5000 Chromebook 11 Chromebook 14 6400 AIO MS200 iPad 2	8200 (3) 6005 USDT (8) 6005 SFF (3) 5750 (2) Mini 5102 (32) 7800 (39) 5000 (1) Chromebook 11 (32) Chromebook 14 (9) 6400 (2) AIO MS200 iPad 2(15)	8200 (4) 6005 USDT (6) 6005 SFF (3) 5750 (9) Mini 5102 (6) 7800 (3) 5000 (11) Chromebook 11 (1) Chromebook 14 (1) 6400 (7) AIO MS200 (3) iPad 2(4)
Network Devices	Hewlett Packard Ruckus Wireless	Procurve 2610 Procurve 2650 Procurve 2910 7372	Procurve 2610 (1) Procurve 2650 (2) Procurve 2910 (1) 7372 (11)	Procurve 2610 (3) Procurve 2650 (3) Procurve 2910 (2) 7372 (2)
Projectors	Epson	425W 475W 93+	425W (6) 475W (3) 93+ (1)	425W (4) 475W (1) 93+ (3)
Interactive Boards	eInstruction	Touchboard Interwrite Dualboard	Touchboard (3) Interwrite Dualboard (6)	Touchboard (1) Interwrite Dualboard (4)
Audio Enhancement Systems	Front Row Epson Audio Enhancement	Lasso AP-60 CA50	Lasso (3) AP-60 (3) CA50 (5)	Lasso (3) AP-60 (4) CA50 (1)
Printers	Hewlett Packard Xerox	WorkCentre 5135 Color Laserjet 4550 Laserjet Pro M401	WorkCentre 5845 (1) Color Laserjet 4550 (1) Laserjet Pro M401 (1)	WorkCentre 5845 (1) Color Laserjet 4550 (8) Laserjet Pro M401 (4)
Au Gres-Sims Middle School				
Type	Manufacturer	Model	Quantity	Age
Voice Systems/Telecommunication	Nortell	T7208	Nortell (6)	Nor. since Feb. 2007
Video Systems	NA	NA	NA	NA
Data Systems	Hewlett Packard Dell	8200 6005 USDT 6005 SFF	8200 (2) 6005 USDT (3) 6005 SFF (1)	8200 (1) 6005 USDT (6) 6005 SFF (3)
Network Devices	Ruckus Wireless	7372	7372 (4)	7372 (2)
Projectors	Epson	425W 575W	425W (3) 575W (2)	425W (1) 575W (0)

Interactive Boards	eInstruction	Touchboard Interwrite Dualboard	Touchboard (2) Interwrite Dualboard (3)	Touchboard (0) Interwrite Dualboard (4)
Audio Enhancement Systems	Front Row Epson Audio Enhancement	Lasso AP-60 CA50	Lasso (1) AP-60 (2) CA50 (3)	Lasso (3) AP-60 (4) CA50 (1)
Printers	Xerox	WorkCentre 5855	WorkCentre 5855 (1)	WorkCentre 5855 (1)
Au Gres-Sims High School				
Type	Manufacturer	Model	Quantity	Age
Voice Systems/Telecommunication	Meridan / Nortell	M 7310 T7208	Meridan (2) Nortell (15)	Mer. since Sept. 2002 Nor. since Feb. 2007
Video Systems	NA	NA	NA	NA
Data Systems	Hewlett Packard Dell Apple	8200 USDT 6005 dc7800 dc7900 Chromebook 11 Chromebook 14 iPad 2 iPad Air 2	8200 (2) USDT 6005 (43) dc7800 (46) dc7900 (39) Chromebook 11 (73) Chromebook 14 (10) iPad 2 (5) iPad Air 2 (1)	8200 (4) USDT 6005 (6) dc7800 (6) dc7900 (6) Chromebook 11 (1) Chromebook 14 (1) iPad 2 (4) iPad Air 2 (1)
Network Devices	Hewlett Packard Ruckus Wireless	Procurve 2610 Procurve 2650 Procurve 1810 Procurve 2910 7372 ZD 1100	Procurve 2610 (4) Procurve 2650 (1) Procurve 1810 (1) Procurve 2910 (3) 7372 (10) ZD 1100 (1)	Procurve 2610 (3) Procurve 2650 (3) Procurve 1810 (3) Procurve 2910 (2) 7372 (2) ZD 1100 (3)
Projectors	Epson BenQ	425W 475W 535W 93+ BenQ MX768	425W (2) 475W (2) 535W (3) 93+ (2) BenQ (1)	425W (4) 475W (1) 535W (0) 93+ (3) BenQ (0)
Interactive Boards	eInstruction	Touchboard Interwrite Dualboard	Touchboard (5) Interwrite Dualboard (3)	Touchboard (1) Interwrite Dualboard (4)
Audio Enhancement Systems	Front Row Epson Audio Enhancement	Lasso AP-60 CA50	Lasso (1) AP-60 (2) CA50 (3)	Lasso (3) AP-60 (4) CA50 (1)
Printers	Hewlett Packard Xerox	WorkCentre 5845 Laserjet 4250 Laserjet Pro M401 LJ P2055dn	WorkCentre 5845 (1) Laserjet 4250 (1) Laserjet Pro M401 (2) LJ P2055dn (1)	WorkCentre 5845 (1) Laserjet 4250 (6) Laserjet Pro M401 (2) LJ P2055dn (2)

Technology Needs Assessments

To effectively meet the needs of this technology plan, we will have to investigate upgrading the network infrastructure to accommodate future wireless carts, wireless access, desktop access, voice over internet telephone access, and determine if we have fast enough internet service provider access for web content, classroom interaction, and on-line test assessments.

Technical Support

Technology Coordinator
In-House Program Supervisor
1:1 Program Supervisor

Section 12: Increase Access

The district is maintaining a student-to-computer ratio of close to full 1:1 in all buildings. Beginning in the fall of the 2015-16 school year, every student in grades 6-12 will be provided an individual Chromebook for primary instructional use. All students also have access to computer labs in all buildings while every district classroom has at least one computer for instructional use, Interactive Whiteboards, and Audio Enhancement technologies. Adaptive and assistive technologies are in use throughout the district to accommodate our special needs students. For a more detailed description of specific existing and future technologies to be acquired for increased access, please refer to [Section 4](#) Technology Integration.

IV. FUNDING & BUDGET

Goal: Au Gres-Sims School District will maintain adequate funding to support instruction in extracurricular activities and building operations.

Section 13: Budget & Timetable

Au Gres-Sims School District has developed a three-year technology budget. We currently use funds from the following sources: IDEA, USF E-Rate, General Fund, grants, and fundraising.

Three Year Technology Plan Budget

	Current	YEAR 1	YEAR 2	YEAR 3
Funding Sources	2014-15	2015-16	2016-17	2017-18
General Funds	43,538	30,499	33,112	34,562
USF E-Rate	8,030	18,967	4,013	3,304
Total	51,568	49,466	37,125	37,866
Function Titles	2014-15	2015-16	2016-17	2017-18
Contracted Technical Services	21,000	21,000	21,000	21,000
Personnel	0	0	0	0
Hardware	2,000	15,194	3,000	3,500
Software (including licensing)	17,475	5,109	5,109	5,109
Networking (data & fiber lines)	-	-	-	-
Phone Service	8,428	4,686	4,686	4,686
Cell Phones	600	420	420	420
Supplies	-	-	-	-
Domain Name Registration	10	10	10	10
Maintenance to Equipment	-	-	-	-
Professional Development	-	-	-	-
Internet Access	2,054	2,856	2,900	2,950
Web Hosting	0	190	0	190
Total	51,568	49,466	37,125	37,866

Section 14: Coordination of Resources

It is important for Au Gres-Sims School District to coordinate and sustain programs for our students and the community. The district continuously seeks alternate sources of funding to support programs that improve student academic achievement. This ongoing commitment keeps the district's academic programs in focus and on budget.

Grants

Au Gres-Sims School District will continue to seek out federal, state, and local grants that will help in implementing our long-range technology planning. The district has leveraged some grants to support programs within the buildings. Title II, Part A funds are used to help support professional development related to technology integration for teachers and administrators.

Universal Service Fund (USF) E-Rate

Au Gres-Sims School District has applied for and will continue applying for Universal Service Fund discounts under the Universal Service Fund support mechanism, E-Rate, which is a federal program created to provide discount reimbursements and assist most schools and libraries with obtaining affordable technologies, including telecommunications and internet access. Discounts are based on an individual schools' enrollment in the National School Lunch program. During the course of this three year plan, the district anticipates obtaining approximately \$4,000.00 annually for telecommunications, internet access, and webhosting services. For a complete list of requested products and services, see [Appendix D](#) USF E-Rate List of Requested Products/Services.

V. MONITORING AND EVALUATION

Goal: Au Gres-Sims School District will audit students in accordance with the board policy.

Section 15: Evaluation

Au Gres-Sims School District will monitor this three-year technology plan, as it is being implemented, to provide valuable information for future planning. Evaluations will provide two types of important information. First, we will determine if the technology plan is implemented according to the way it was originally intended. Second, by monitoring what happens as the technology plan is implemented, we hope to identify unanticipated problems that may have real impact on the ultimate success of the programs described herein.

Specific measurements will be used including staff questionnaires via an annual survey developed by the District Technology Plan Design Team. The survey will be conducted via the district's Help Desk survey feature on an online questionnaire and data-gathering instrument. Administrators routinely conduct classroom walk-throughs. By noting how technology is used in the classroom, they can qualitatively identify technology integration.

Another measurable criterion for determining successful implementation of technology planning programs is a simple checklist of completion of the action plans outlined in [Section 4 Technology Integration](#). These action plans/tasks and associated timelines serve as a roadmap for our district. By creating a checklist from this section of the plan, we can determine how well we are meeting our predetermined goals and whether or not we are meeting the original timelines.

Section 16: Acceptable Use Policy

Strategies are in place to monitor the district's Acceptable Use Policy (AUP) for staff and student use of our existing technologies. The district AUP was developed with parent and community input and approved by the Au Gres-Sims School Board. Copies of the AUP are given to students during registration/enrollment and building transitions with an acceptance signature by parents or guardians required. Staff members are also required to sign an AUP annually. Furthermore, the conditions, expectations and requirements of the AUP are explained annually at parent meetings, open houses, transition meetings and other parent/community functions. A copy of the district's Acceptable Use Policies are included as [Appendix B](#) (staff) and [Appendix C](#) (students).

Children's Internet Protection Act (CIPA)

Au Gres-Sims School District has and will continue to comply with the requirements of the Children's Internet Protection Act, as codified at 47 U.S.C. § 254(h) and (l). All internet access within the district is in compliance with the Children's Internet Protection Act (CIPA). The district's internet access is provided by the Bay-Arenac ISD and is "filtered" with a continuously updated firewall and filter for protection of all our students and staff.

Filter Efforts

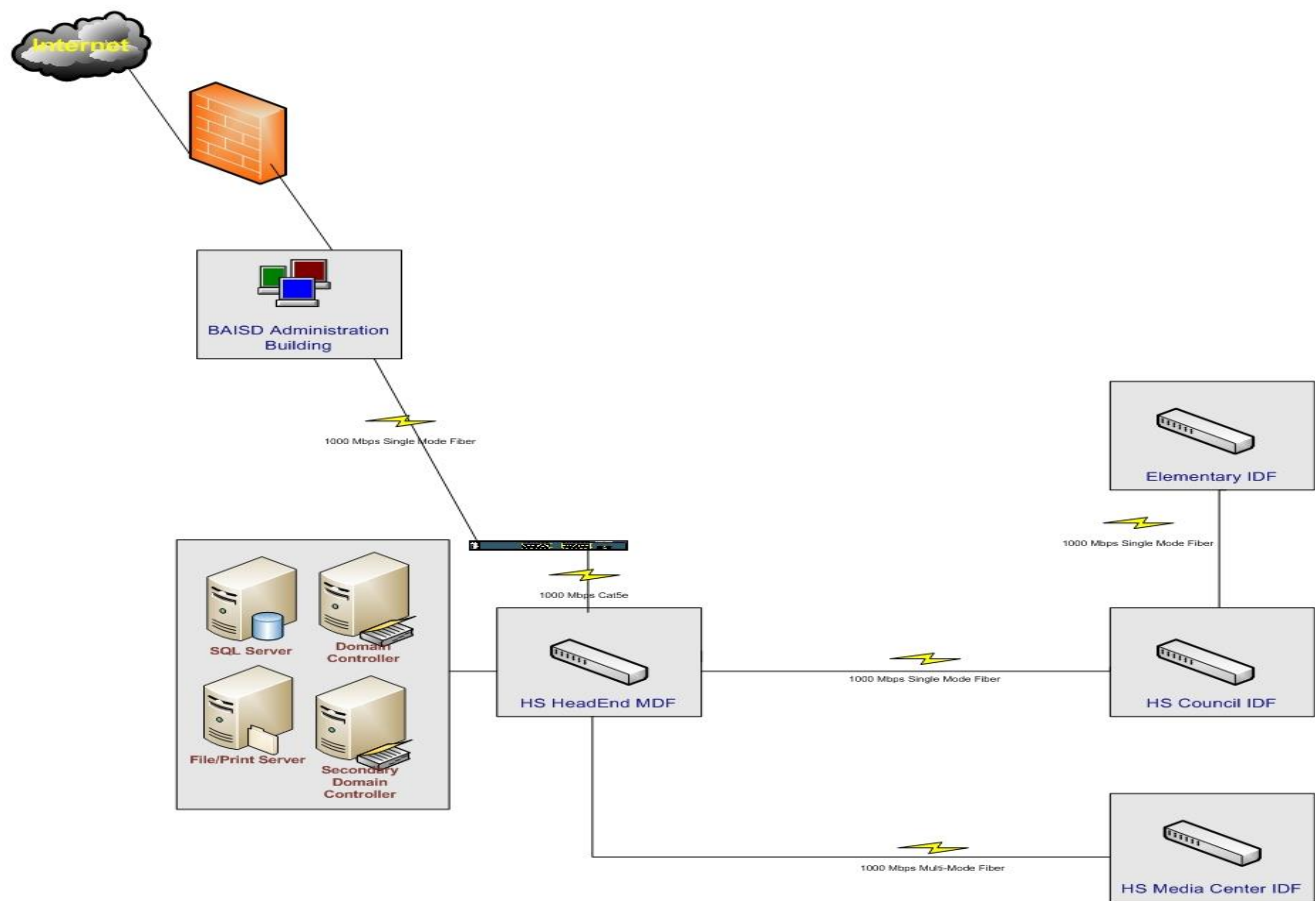
It is the district's intent to preserve network bandwidth and improve network response times by limiting Internet access to educational-related sites only. The filtering software used to block and filter access to the Internet from obscene and/or objectionable sites is named *iboss* cybersecurity at the Bay-Arenac Intermediate School District.

Broadband Data Improvement Act (BDIA)

In compliance with the BDIA of 2008, Au Gres-Sims School District will educate students on internet safety including appropriate on-line behavior, interacting with other individuals on social networking websites, in chat rooms, and cyber-bullying awareness and response.

APPENDIX: A

AuGres-Sims Schools Network Layout



APPENDIX: B

AU GRES-SIMS SCHOOL DISTRICT COMPUTER NETWORK ACCEPTABLE USE POLICY FOR STAFF

1. PURPOSE

Au Gres-Sims School District provides access to the District Network and the Internet to enhance the delivery of education to our students.

2. INTERNET

The Internet connects computers worldwide, thus offering access to educational material, as well as questionable material. The questionable material may be in the form of sexist, sexual, racist, or differing values and viewpoints or verbal attacks, etc. Au Gres-Sims School District filters Internet access.

3. PRIVILEGE

The use of District computers and the Internet is a privilege, not a right. Users are responsible for their own actions. Inappropriate use of any type, including, but not limited to, those listed in this document may result in denial, revocation, or suspension of privileges or closing of the account.

4. NETWORK SECURITY

Security of the network and on the network is the highest priority. Never allow anyone access to your password or to work on a computer using your password. Au Gres-Sims School District retains the right to monitor, review, and/or edit any material in accounts. Any illegal activity may be reported to the appropriate authorities. If you suspect that a student or anyone has discovered your password, report it to the system administrator immediately so you can be assigned a new password.

5. USE

1. First priority for use should include gathering information for instruction.
2. Next will be access for personal exploration and learning.
3. Staff will have access to e-mail if used appropriately.

6. AU GRES-SIMS SCHOOL DISTRICT WARRANTIES

Au Gres-Sims School District makes no warranties of any kind for the service it is providing, whether these warranties are expressed or implied. Au Gres-Sims School District will not be responsible for damages of any type. Au Gres-Sims School District specifically denies the accuracy and/or quality of information obtained from the Internet. The user needs to consider the source and validity of any information obtained. Furthermore, the District will not be responsible for any damages to a user, such as, but not limited to, loss of data or service interruptions.

7. STAFF RESPONSIBILITIES

Staff members are responsible for:

1. Keeping their password and software passwords secret
2. Supervising students in the appropriate use of technology resources
3. Practicing appropriate copyright procedures

4. Using appropriate language
5. Using the network in such a way that their use will not disrupt the work of others
6. Reporting any problem to the network administrator/technician immediately
7. Following the rules for use
8. Using the computers and the network for instructional purposes
9. Immediately getting out of unacceptable sites accidentally accessed and reporting the URL to the network administrator/technician so it can be disabled
10. Monitoring student printing

Staff will not:

1. Allow anyone other than themselves to use their password, including being logged on and not being in the classroom
2. Allow students to access the Internet without a faculty/staff member in the classroom
3. Allow any student, parent, or para-educator to input data associated with Skyward (including attendance and grades) unless designated by administration
4. Go to unacceptable/controversial sites
5. Reveal personal information (name, home address, telephone number, age, etc.) about anyone at Au Gres-Sims (staff or student)
6. Damage computers, computer systems, computer networks, programs, or install programs on their computer without permission
7. Waste resources (paper, ink, system memory, and hard drive space)
8. Engage in illegal activity
9. Engage in activity on the network for profit
10. Steal data or other intellectual property
11. Download or save games, files, or other software from any source to the computer network
12. Engage in activity deemed inappropriate by administration
13. Allow any student to use a software password

8. PERSONAL MOBILE DEVICES

Limited use of personal devices on school property is permitted. In such instances, employees shall abide by the following terms:

1. Devices can be connected to the district provided Wi-Fi using the staff member's computer login information.
2. Devices shall not be used on District premises to obtain unfiltered access to web page content.
3. The user of a device found to be the source of a virus, worms, trojan horses, spyware, or other malicious software on the District network shall be held liable for all resulting damages to network resources and shall be subject to appropriate disciplinary action.
4. Accessing, creating or sending inappropriate content stored on personal devices while on District property constitutes a violation of the Acceptable Use Policy and is subject to the consequences thereof.
5. Employee assumes all responsibility for the safety of all content on devices. Employees are responsible to provide an accurate, up-to-date inventory of any District file or data that could contain personal identification information.
6. The use of personal wireless access points or other wireless network enabling equipment or solutions for instructional purposes is prohibited on school premises.
7. The District shall not be liable for the loss, damage, or misuse of any personal devices.

AU GRES-SIMS SCHOOL DISTRICT

COMPUTER NETWORK ACCEPTABLE USE POLICY FOR STAFF

ACCEPTANCE FORM

I have read the Au Gres-Sims School District Computer Network Acceptable Use Policy for Staff and agree to abide by it. I understand that the Internet is restricted and accept full responsibility for my actions. I also understand that if I do not follow the rules, in accordance with this acceptable use policy, I may lose my privileges and be subject to disciplinary action(s) through the school district and/or appropriate legal action.

Full name signature: _____

Full printed name: _____

Date: _____

APPENDIX: C

AU GRES-SIMS SCHOOL DISTRICT COMPUTER NETWORK ACCEPTABLE USE POLICY FOR STUDENTS

1. PURPOSE

Au Gres-Sims School District provides access to the District Network and the Internet to enhance the delivery of education to our students.

2. INTERNET

The Internet connects computers worldwide, thus offering access to educational material, as well as questionable material. The questionable material may be in the form of sexist, sexual, racist or differing values and viewpoints or verbal attacks, etc. Au Gres-Sims School District filters Internet access.

3. PRIVILEGE

The use of district computers and the Internet is a privilege, not a right. Users are responsible for their own actions. Inappropriate use of any type, including, but not limited to, those listed in this document may result in denial, revocation or suspension of privileges or closing of the account.

4. NETWORK SECURITY

Security of the network and on the network is the highest priority. Never allow anyone access to your password or to work on a computer using your password. Au Gres-Sims School District retains the right to monitor, review, and/or edit any material in accounts. Any illegal activity may be reported to the appropriate authorities. If you suspect that someone has discovered your password, report it to the system administrator immediately so you can be assigned a new password.

5. USE

1. First priority for use goes to those needing access for an educational assignment.
2. Next will be access for personal exploration and learning.

6. AU GRES-SIMS SCHOOL DISTRICT WARRANTIES

Au Gres-Sims School District makes no warranties of any kind for the service it is providing, whether these warranties are expressed or implied. Au Gres-Sims School District will not be responsible for damages of any type. Au Gres-Sims School District specifically denies the accuracy and/or quality of information obtained from the Internet. The user needs to consider the source and validity of any information obtained. Furthermore, the District will not be responsible for any damages to a user, such as, but not limited to, loss of data or service interruptions.

7. STUDENT RESPONSIBILITIES

Students are responsible for:

1. Keeping their password secret
2. Using appropriate language
3. Using the network in such a way that their use will not disrupt the work of others

4. Reporting any problem to their teacher immediately
5. Following copyright laws
6. Following the rules for use
7. Using the computers and the network for educational reasons
8. Immediately getting out of unacceptable sites accidentally accessed and
9. Reporting the incident to a staff member

Students may not:

1. Allow anyone other than themselves to use their password
2. Go to unacceptable/controversial sites
3. Reveal personal information (name, home address, telephone number, age)
4. Damage computers, computer systems, computer networks, or programs
5. Waste resources (paper, ink, system memory, hard drive space)
6. Engage in illegal activity
7. Engage in activity on the network for profit
8. Steal data or other intellectual property
9. Download or save games, executable files, or other software from any source to the computer network
10. Engage in activity deemed inappropriate by administration

8. Personal Mobile Devices

Students who bring their personal devices to school, do so at their own risk. The school district is not responsible for items that are lost, broken, or stolen. Students may use personal mobile devices before school, during lunch, between classes, and after school. Personal mobile devices will be allowed in class only if prior permission is granted by the teacher to be used for academic purposes. Personal mobile devices may connect to the school provided Wi-Fi using the student's computer login and password.

Students may not:

1. Use personal mobile devices to obtain unfiltered access to web page content while on district property.
2. Use personal mobile devices to compromise the integrity of the instructional or assessment program.
3. Use personal mobile devices to propagate a virus, worm, Trojan horse, spyware, or other malicious software on the District network.
4. Use personal mobile devices to establish a wireless network.
5. Use personal mobile devices to access, create or send inappropriate content while on district property or at school-sponsored events.

9. WEB PAGES / BLOGS

Web pages and blogs may be created by students, but will not be posted publicly on the Internet unless approved by their teacher and/or the principal.

AU GRES-SIMS SCHOOL DISTRICT COMPUTER NETWORK ACCEPTABLE USE POLICY APPLICATION FOR STUDENT e-mail

Student Name: _____

Graduation Year: _____

Date of application: _____

Reasons why I need an e-mail account:

As the parent/guardian of the student named above I agree with the application and have discussed e-mail use with my child. E-mail is treated like any other area of computer use covered under the Au Gres-Sims School District Acceptable Use Policy. These e-mail accounts are District accounts with full understanding that there should be no expectation of privacy. Au Gres-Sims School District may examine e-mail accounts from time to time or at a parent's request.

Parent/Guardian Name: _____

Date: _____

APPENDIX: D

Au Gres-Sims Public Schools **USF E-RATE REQUESTED PRODUCTS AND SERVICES** **(2015-16)**

TELECOMMUNICATIONS SERVICES

Basic Telephone Service

Au Gres-Sims School District has an existing contract for basic telephone service and tariff for (8) DID lines, (3) fax lines, (1) alarm line, and (47) extensions. This service is for the time period from July 1, 2015 through June 30, 2016 and each subsequent year.

Long Distance Service

The Au Gres-Sims Schools has an existing contract for intralata and interlata long distance service for (8) DID lines and (3) fax lines. This service is for the time period from July 1, 2015 through June 30, 2016 and each subsequent year.

INTERNET ACCESS

Internet Access

Au Gres-Sims School District accepted bids for internet service for approximately (50) district staff and approximately (400) students. This service is for the time period from July 1, 2015 through June 30, 2016 and each subsequent year.

Web Hosting

Au Gres-Sims Schools accepted bids for web hosting service for content management. The district web site must include support for (3) instructional buildings and (1) non-instructional building. This service is for the time period from July 1, 2015 through June 30, 2016 and each subsequent year.