

Technology Plan 2019-2020
Jamestown Public Schools

Technology Planning Process

Membership in the Jamestown Public Schools District Technology Committee is determined by administration and includes: administrators, faculty, building facilitators, technology department administrators, special education staff, school board representatives, and parent volunteers. All members are invited to participate equally. This team meets quarterly.

The following information was presented and reviewed by the District Technology Committee. The areas requiring updates were presented in yellow throughout the plan. The committee will be looking at the new [North Dakota Computer Science and Cybersecurity Standards](#) guidelines for the following areas of technology for future updates:

1. Technology Systems
2. Computational Thinking
3. Information Literacy
4. Computing in Society
5. Digital Citizenship

2019-2020 Planning Team Members

Name	Title	Role
Rob Lech	Superintendent	Administration
Sally Ost	Business Manager	Administration
Mike Armitage	AV/Technology Coordinator	Tech Dept.
Lisa Hoffer	SIMS Coordinator	Tech Dept.
Pam Brown	Technology Integrationist	Tech Dept.
Heidi Larson	Chiropractor	School Board Rep
Adam Gehlhar	High School Principal	Administrative Rep
Michelle Reed	Business Education Instructor	Faculty Rep.
Julie Skunberg	Counselor	Faculty Rep.
Bryan Edens	TAG Instructor	Faculty Rep
Cody Mickelson	Foreign Language Instructor	HS Building Facilitator
Lynn Kosel	Science Instructor	HS Building Facilitator
Joe Hegland	Professional Dev.	Administrative Rep.
Ryan Harty	Middle School Principal	Administrative Rep.
Laura Weis	6 th Grade Instructor	MS Building Facilitator
Michelle Prasek	T Instructor	MS Building Facilitator
Eddy Delzer	Elementary Principal	Administrative Rep.
Kelly Bauer	1 st Grade Instructor	Elem. Building Facilitator
Danika Smith	3 rd Grade Instructor	Elem. Building Facilitator
Heather Tomlin-Rohr	Kindergarten Teacher	Elem. Building Facilitator
Melissa Foster	1 st Grade Instructor	Elem. Building Facilitator
Brenda Jensen	1 st Grade Instructor	Elem. Building Facilitator
Sandy Strahm	Kindergarten Teacher	Elem. Building Facilitator
Jim Nyland	Elementary Librarian	Media Specialist
Heidi Budeau	Director of JRSEU	Special Education Rep.
Wayne Leben	School Psychologist	Special Education Rep.
Jada Anderson	Parent	Parent Rep.

The Technology Plan was approved by the Jamestown School Board on June 17, 2019. The plan will be presented to all staff through the building administrators and the building facilitators. Copies of the plan are available in each building and at the Central Office. A PDF version of the plan is available on the teacher server and on the school website for public access. Any additions or up-dates to the plan will be added to the posted locations.

Technology Vision Statement

The vision of technology integration at Jamestown Public Schools is to empower students and educators by cultivating a technology-rich educational environment. Everyone has equal access to knowledge and lifelong ethical and social learning skills in order to be productive in an information-driven, global society.

Goals, Strategies, and Timelines

Goal #1: Jamestown Public Schools create learning environments that include effective technology resources for educators and students.				
Rationale: Access to technology resources is necessary to ensure that all students have the resources needed to gain 21 st Century skills. The types of technology tools available and the performance capabilities of those tools should be at a level that supports and sustains current learning practices and encourages new and innovative learning practices.				
	Strategy	Measure	Timeline	Status
1.1	The district provides the necessary infrastructure for Internet access for all students and staff. This includes file servers, Ethernet switches, routers, hubs, racks, wireless access points, patch panels and other hardware components to ensure Internet access. In addition, each school has data circuits (fiber optics and T1 lines) available to receive and transmit text, graphics, and audio to and from the Internet. E-mail services, virus protection, and Internet filtering (to meet the Child Internet Protection Act) are provided through EduTech , which is funded by the North Dakota Information Technology Department. Filtering decisions are made by the Technology Director in accordance with the state ITD Department.	Servers and hardware are updated to keep pace with demand as funding allows. The technology department works with the state ITD Department to maintain a safe Internet environment for all patrons of the district.	Filtering is monitored and ongoing	Current May 2019
1.2	The district continues the development of websites for the district and individual schools. The websites include calendars and events, policies and procedures, links to teachers, and other topics as needs arise. The district supports personnel to maintain the website.	Website-the content management system is contracted through CampusSuite. All aspects of the website are designed to meet WCAG ADA compliance guidelines. District stakeholders and the community provide feedback on the website.	The new website was launched in August of 2017. There is a continuous process of reviewing and developing compliant documents that meet WCAG ADA guidelines.	Current May 2019

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Strategy	Measure	Timeline	Status	
1.3	The district makes COSI health and science related topics available to pertinent education classes. These are provided for a cost and must be arranged through the Technology Integrationist.	COSI presentations are most often held in the JHS Theater and arranged and managed through the Technology Department.	COSI events are available online or through the Technology Department.	Current May 2019
1.4	The district maintains at least one computer lab per building, or more in the case of larger student populations, with a student to computer ratio of 2.5:1 (lower ratios in areas serving greater numbers of high-need students). Computers are replaced on a 5-year replacement cycle. The replaced machines from the labs are distributed to classrooms to increase the student to computer ratio. Teacher machines are standardized in quality.	The computer labs in each building currently serve a 1:1 student to computer ratio.	The district continues a 5-year rotation cycle for replacing computers and technology equipment.	Current May 2019
1.5	Maker Spaces are available in the High School, Middle School, and Roosevelt Elementary. Makerspace Student Goals: <ol style="list-style-type: none"> 1. Use a wide range of idea creation techniques-such as brainstorming. 2. Create new and worthwhile ideas-both incremental and radical concepts. 3. Elaborate, refine, analyze and evaluate their own ideas in order to improve and maximize creative efforts. 4. Develop, implement, and communicate new ideas to others effectively. 5. Be open and responsive to new and diverse perspectives; incorporate group input and feedback into the work. 6. Demonstrate originality and inventiveness in work and understand the real-world limits to adopting new ideas. 7. View failure as an opportunity to learn; understand that creativity and innovation are a long-term, cyclical process of small successes and frequent mistakes. 8. Implement innovations 9. Act on creative ideas to make a tangible and useful contribution to the field in which the innovation will occur. 	Maker Spaces provide students with the ability to explore STEAM (Science, Technology, Engineering, Arts, and Math) Technologies. They offer students a look into future career based experiences and allow for the exploration of new ideas and how to carry them through to a final product.	Maker Spaces will continue to be implemented in all school building in the district.	Ongoing May 2019

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	Strategy	Measure	Timeline	Status
1.6	<p>The district provides technical support so technology resources are reliable and available to educators and students.</p> <p>Adequate training is available for all educators and school personnel.</p> <p>Building facilitators serve as the first step in technical support issues.</p>	<p>The technology department currently has 6 employees, with 3 of those assigned to hardware and software issues. The Technology Integrationist provides individual and group technical support for technology resources. Building facilitators in each building serve as communication resources for the technology department. An online support ticket process was implemented to communicate building technology related needs.</p>	<p>The district provides technology support on a ratio of 744 workstations to one support person.</p> <p>Building facilitators are hired for each building.</p>	Current May 2019
1.7	<p>The district provides the necessary infrastructure to permit communication between schools and parents via phone, email, Smartphone app, and the web sites. Social media has seen increased use as a communication method and to highlight success within the schools and for the district.</p>	<p>Email services are provided through EduTech and are a suite of programs called Office 365.</p> <p>The district App is used to send notifications and as a resource forms, menus, calendars, grade and contact information, district staff directory and sports related information.</p> <p>The district website is used for communication of basic information such as calendars, menus, and newsletters, linking with social media and news articles.</p> <p>PowerSchool provides parents and students access to grades and other student information.</p>	<p>Email service is maintained through EduTech.</p> <p>Blackboard is updated daily and information shared as needed.</p> <p>The website is updated on a regular basis by the district webmaster.</p> <p>PowerSchool logins and passwords are provided to parents.</p>	Current May 2019

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Strategy	Measure	Timeline	Status
<p>1.7 Cont.</p> <p>An adequate number of telephone lines ensure school staff access to communication with parents and students.</p> <p>Emergency contacts are made electronically using the district BlackBoard App and pushing notices through phone, text, e-mail, app, and social media.</p> <p>Internal Emergency Notification System-4444 with immediate access to all positions of leadership in all buildings.</p>	<p>Parents can pay school-related fees online.</p> <p>Social Media accounts have been established for Jamestown Public School District, Jamestown High School, Jamestown Middle School, Lincoln, Louis L'Amour and Washington Elementary on Facebook. The district also has a Twitter account for the district and the Wellness Committee.</p> <p>Telephone service is a VOIP service. Long distance telephone service is available to staff and administration.</p> <p>Wireless telephone services and data services (cellular service) are available to selected staff to be used in case of emergencies and in conducting school-related business.</p> <p>Emergency contact information is provided through BlackBoard.</p> <p>Immediate Response Team with access to important information regarding the incident or emergency. 911 calls also monitored through this system.</p>	<p>Lunch and school fees can be paid using e-Funds</p> <p>Social Media updated daily as events occur.</p> <p>VOIP is maintained by technology department staff.</p> <p>Implemented within the past couple of years.</p>	<p>Current May 2019</p>

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Strategy	Measure	Timeline	Status
<p>1.8 An inventory of software licenses is maintained, and upgrades and additional licenses are purchased as needed to maintain copyright compliance. Microsoft 365 A3 is used to upgrade Microsoft components for the district. This includes all current components and additionally adds Minecraft. Additional software for education and administrative needs is purchased as needed and is pre-approved through the technology department in coordination with the District Curriculum Director.</p>	<p>An inventory of software licenses and purchases is used to monitor copyright compliance.</p>	<p>The software inventory is maintained by the tech department.</p>	<p>Current May 2019</p>
<p>1.9 Assistive/adaptive technology is available to meet the educational needs of all students in the district. Needs are identified through joint efforts of teachers, James River Special Education Unit (JRSEU), and the technology department.</p>	<p>Assistive/adaptive technology is available to meet the educational needs of all students in the district. A part-time adaptive specialist from special education is available in the district.</p>	<p>Technology is purchased as needed based on the educational requirements of the students. A specialist is available for teacher assistance.</p>	<p>Current May 2019</p>
<p>1.10 Improved teaching and learning takes place through the use of computers, projectors, document cameras, student computers, internet access for all machines, software to support learning, phones in every classroom, and other hardware needs demonstrated by the teacher. We recommend that each classroom should have a SMART Board/projector/doc cam/computer package, an audio system, and at least 4 student devices determined by need and grade level.</p>	<p>Sufficient technology is provided by the district.</p>	<p>Equipment is maintained and operable.</p>	<p>Current May 2019</p>

Goal #2: Jamestown Public Schools support educators in their use of appropriate technologies to improve their teaching and other professional practices.

Rationale: Teachers and administrators must possess skills that allow them to be innovators in technology-rich teaching, learning, and administrative environments. Through professional development, educators are proficient at aligning technology use with student learning standards and goals and integrating technology seamlessly into the curriculum.

	Strategy	Measure	Timeline	Status
2.1	<p>The district endorses the National Educational Technology Standards for Teachers and School Administrators (NETS) and the ND Library and Technology Standards and uses them in developing standards for teachers, students, and administrators. Technology standards are used as a guide for providing professional development opportunities in the district.</p> <p>The North Dakota Computer Science and Cybersecurity Standards will be used as guidelines for the following areas of technology:</p> <ol style="list-style-type: none"> 1. Technology Systems 2. Computational Thinking 3. Information Literacy 4. Computing in Society 5. Digital Citizenship 	<p>District Technology Standards for Teachers and Students have been adopted and distributed through building-level meetings.</p> <p>These Standards cover Kindergarten through Twelfth Grade. They were released in early 2019.</p>	<p>District Technology Standards are reviewed annually and used to prepare professional development.</p> <p>JPS will be looking at how the Standards can best be implemented into the District Technology Plan and present that during 2019-2020.</p>	<p>Current May 2019 and ongoing for Standards Implementation .</p>
2.2	<p>The district shares the definition for curriculum integration developed by the ND ETC and ND Department of Public Instruction (DPI), which encompasses curriculum design, teaching and learning strategies, new roles for educators and students, and assessments.</p> <p>All educators complete a minimum of four integrated technology lessons with students annually (grades K-1 two lessons), one of which shows communication outside of the district.</p>	<p>Through the Marzano Model of Instruction teachers and administrators are keenly aware of educational practices and technology use in the classroom. This is documented as part of the evaluation process in each building. Technology is included in curriculum planning.</p> <p>Integrated lessons are noted in lesson plans.</p>	<p>Technology is included in curriculum planning for the district. Documentation occurs through the observation process. Integrated lessons are visible in lesson plans.</p>	<p>Current May 2019</p>

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Strategy	Measure	Timeline	Status
2.3 The school improvement plan calls for increased analysis of data gathered by the district to be used in planning for the future. ND SLDS stores data from multiple sources. Training in the use of the data is available. Jamestown School District Instructional Coaches work closely with the classroom teachers.	Training sessions assist staff in data analysis of results obtained from, ND SLDS, NDSA, Measures of Academic Progress (MAP) and Read 180, etc.	Training sessions are now offered by SEEC, EduTech and/or district staff.	Current May 2019
2.4 The district provides professional development for educators and administrators to assist them in developing technology skills and curriculum integration. The Technology Integrationist for the district holds technology trainings based on the results of the school improvement plan, district technology standards, and professional development plans. Trainings occur on a scheduled basis. Individual technology assistance for teachers and classrooms is available by appointment. EduTech classes and other professional development are available online through the EduTech Training Console . Teachers are encouraged to participate in trainings to increase needed technology skills. Content software and appropriate software for communication, lesson and test preparation are available for teachers. Video streaming resources (Discovery Education and Learn 360) are purchased and available for integration into content areas. YouTube is available.	Building facilitators are in place to assist teachers. The Technology Integrationist conducts technology trainings for staff. Administration includes technology proficiency as a part of the annual staff evaluation process through Marzano. Software and video resources are available for teachers to use in the classroom.	Building facilitators are available in all buildings. Professional development trainings occur on a scheduled basis; the schedule is available on the Outlook calendar. Attendance at trainings is tracked and is available to administration. Additional technology trainings are offered as needed. Video streaming services are available.	Current May 2019

Goal #3: Jamestown Public Schools provides students with learning opportunities that are enhanced by technology.				
Rationale: Technology in schools enhances and transforms teaching practices and student learning. It provides opportunities for educators to break through isolation and serves as a catalyst for significant changes in learning practices.				
	Strategy	Measure	Timeline	Status
3.1	<p>Educators use the ND Library and Technology Content Standards as the guideline for determining student technology literacy in general. Early 2019 the North Dakota Computer Science and Cybersecurity Standards were adopted for Kindergarten through Twelfth Grade. These standards will be implemented into the Jamestown District Technology Plan beginning in 2019-2020.</p>	<p>Eighth grade students attain a minimum competency in technology. Standards are benchmarked K-12.</p>	<p>NAEP assessment of technology and engineering skills to real-life situations performed testing in 2018. ND Standards written in the 2019-2020 plan.</p>	Ongoing May 2019
3.2	<p>Educators implement standards-based learning opportunities that use technology-enhanced instructional strategies to meet the learning styles/needs of students, including students with disabilities. Technology integrated lessons created by students K-4 will be shared with students and their parents in a timely manner through SeeSaw. In grade five students are introduced to their Office 365 account and will begin saving to the student's OneDrive in 5-12.</p> <p>Technology use is based on district technology standards for each grade level.</p>	<p>Assistive technologies are available to help all students learn. Student created technology samples will be shared through SeeSaw in grades K-4. Beginning in grade five students will save their information in their student c-account or to their OneDrive. In grade six through graduation students will be using their OneDrive for files. Standards are used to determine appropriate skills and learning needs at each grade level.</p>	<p>Assistive technologies are used as needed. All buildings subscribe to Discovery Education and Learn 360. Students save a minimum of one tech example for K-1, two for grades 2-4, and three projects in grades 5-12 annually.</p>	Current May 2019
3.3	<p>Educators ensure that student/teacher use of technology is authentic, curriculum-based, collaborative, and/or communicative. Teachers will include four of their lessons that integrate technology (two lessons for K-1), of which at least one lesson requires students to use technology that involves communication outside of the district.</p>	<p>Lessons using technology will be included in teacher lesson plans. Educator's use of technology in their classroom will be evident through the Marzano Model of Evaluation.</p>	<p>Documentation is evident in the reviews performed the principal.</p>	Current May 2019
3.4	<p>The district will use distance learning through ITV/IVN and other technologies to ensure that students graduate ready for work or post-secondary education.</p>	<p>ITV/IVN classrooms are in place at JVCTC. A portable unit for IVN sessions is available for all buildings.</p>	<p>Equipment upgraded summer 2017.</p>	Current May 2019
3.5	<p>Students use age-appropriate software and technology programs (Scholastic Keys, Accelerated Reader, Read 180, System 44, Read Naturally, Microsoft Office, Keyboarding Without Tears, etc.) to enhance traditional learning. Keyboarding began in kindergarten through fifth grade in the 2018-2019 school year.</p>	<p>Students use Accelerated Reader, Read 180, Keyboarding Without Tears, Geometer's Sketchpad in addition to other software programs as needed.</p>	<p>Age-appropriate software is available for each building.</p>	Current May 2019

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	Strategy	Measure	Timeline	Status
3.6	Video streaming is available for use in all classrooms.	Video streaming is available.	All buildings subscribe to Discovery Education and Learn 360.	Current May 2019
3.7	Develop and implement foundational courses for students, in which they learn technology skills that enable them to integrate the use of technology into other curricular areas.	Necessary hardware and software are in place. Courses are developed at all levels.	Courses are available.	Current May 2019
3.8	The district teaches Internet safety K-12. The implementation plan includes instruction by teachers, librarians, and counselors. Gr. K-5 uses, Common Sense Media, Gr. 5 Digital Passport, Gr. 6 NSTeens.org, Gr. 7 Digital Smarts, Gr. 8 InCtrl:, Gr. 9-12 Digital Smarts. Keyboarding Without Tears offers an in-depth Digital Citizenship course for grades K-5.	An Internet safety curriculum is taught K-12.	Internet safety curriculum is provided.	Current May 2019
3.9	Develop and implement a multimedia course for students, in which they learn to edit sound, movies, and animations, in order to integrate the completed products into other curricular areas. Necessary hardware and software will be in place.	Gr 5 develops book trailers and publishes them within the library Kidblogs account. In the Middle School students implement tools from their Office 365 accounts such as Sway, PowerPoint and Word. Multimedia I and II have been implemented into the high school course offerings.	Gr 5 covers multimedia during second semester each year. Mutimedia I and II are available to high school students.	Current May 2019
3.10	Microsoft Office 365 and Microsoft Teams provides a tool for teachers to connect students to collaborate on content, to work in teams and to share ideas. Teams allows for excellent feedback opportunities in real time and to more closely monitor progress throughout a project. Tracking of digital content streamlines the process of evaluating and revising classroom topics. Google Apps for Education are utilized on an as requested basis.	Students in grades five through twelve have access to their @k12.nd.us accounts. The accounts includes all the tools necessary to be productive in today's society using and creating digital content. Students have access to a wide variety of Office 365 applications to work through their high school graduation and two years beyond graduation. One Drive for Business provides unlimited storage for each student.	Beginning in 2013 EduTech worked with Microsoft to provide the @k12.nd.us accounts to students and staff. They continue to open additional applications through the process. Microsoft Teams provides a total classroom experience for the learning environment.	Current May 2019

Goal #4: Jamestown Public Schools use data systems that monitor student achievement and analyze student and school data in order to improve teaching and learning outcomes for all students, including those in all subgroups.				
Rationale: Data systems that are integrated into the daily operations of schools are used to assess, monitor, and analyze student achievement in order to differentiate instruction and improve teaching and learning outcomes for all students.				
	Strategy	Measures	Timeline	Status
4.1	The district implements a student information system to track achievement and allow the analysis necessary to differentiate instruction to better meet student learning needs. ESGI is used to track and record progress for preschool through kindergarten students.	PowerSchool is used to track student and class achievement. Parents and students have access to student grades online.	PowerSchool is upgraded as needed. Parent and student logins and passwords are provided annually.	Current May 2019
4.2	Jamestown Public Schools uses a Multi-Tiered System of Support (MTSS) framework to provide appropriate instruction based on student abilities and needs.	MTSS protocols and pathways assist teachers with identification of student needs.	MTSS protocols are in place in each building.	Current May 2019
4.3	Web-based Electronic Individual Education Plans (IEP's) are used throughout North Dakota.	Web-based electronic IEP's are used.	IEP's are maintained on TIENET.	Current May 2019
4.4	The district implements data warehouses to enable data analysis at the building and classroom levels. Renaissance and FastBridge assessment data is used to analyze reading skills in all schools. AIMSweb, a curriculum-based measurement and data-tracking system, provides information to special education personnel. In-program assessment progress monitoring tools are used for math and reading interventions across the district. The Student Information Management Systems Coordinator (SIMS) is responsible for data systems.	Data warehouses are used for analyzing data from NDSA, Renaissance Star, and FastBridge. Data is used by teachers when working with students. The SIMS Coordinator maintains data systems.	Trainings on the use of data warehouses are held as needed. Progress monitoring occurs on a regular and scheduled basis. The SIMS Coordinator maintains data systems.	Current May 2019
4.5	Jamestown uses Renaissance Star testing to assess student achievement. Teachers have access to reports for individual students and classrooms.	Renaissance Star is used in throughout the district in grades K-12	Benchmark testing is done all winter and spring.	Current May 2019
4.6	The district school improvement plan calls for increased analysis of data gathered by the district to be used in the monitoring and analyzing of student achievement and to drive instruction. Jamestown School District Instructional Coaches work closely with the teachers to provide support in evaluating data and implementing strategies in the classroom for continuing success.	Data is reviewed and used in planning instruction in the classroom. Instructional Coaches meet with elementary classroom teachers throughout the year both in grade level teams and individually to provide support and address concerns or challenges.	Jamestown administrators and teachers will use curriculum based assessments and ND SLDS. Time is allocated for data review and planning.	Current May 2019

Goal #5: Jamestown Public Schools assesses the use of the technology resources implemented in the district.				
Rationale: Assessment is necessary to ensure that technology is used effectively and creates new opportunities for learning and promoting student achievement.				
	Strategy	Measure	Timeline	Status
5.1	The use of technology in instructional strategies is assessed by building administration.	Through the Marzano Model of Instruction teachers and administrators are keenly aware of educational practices and technology use in the classroom. This is documented as part of the evaluation process in each building. Technology use is also measured as part of our AdvancEd student review and engagement piece.	Marzano evaluation tools will demonstrate instructional growth through the evaluation process based on the tier each instructor is being evaluated on.	Current May 2019
5.2	District technology standards for teachers and students and the district Acceptable Use Policy (AUP) are reviewed to keep pace with changes in technology. Staff sign each policy update, and students or parent/guardians review and sign annually.	The District Technology Committee reviews the tech standards and AUP yearly.	The AUP will continue to be reviewed and evaluated.	Current May 2019
5.3	The district technology plan is reviewed and updated annually. Status of the goals is noted in the plan.	The district technology plan is reviewed and updated annually by the District Technology Committee.	Annual review completed by spring of each year.	Current May 2019

Goal #6: Jamestown Public Schools provides a safe and secure learning environment to meet our district goal of “Learning For All”.				
Rationale: Driven by events in schools across the nation providing a secure learning environment to where students feel safe is essential to today’s society.				
	Strategy	Measure	Timeline	Status
6.1	The use of security cameras to provide real-time views of buildings-both inside and out shall be provided throughout the district.	Cameras and monitoring software will be strategically placed in all Jamestown Public Schools and student participation areas. Monitoring software currently in use is Avigilon.	Cameras are in all buildings as described. Upgrades to cameras in the high school were completed fall 2017. Middle school and some elementary schools are scheduled for this summer 2018. Continued replacement in the elementary buildings will follow.	Current with upgrades scheduled.
6.2	The classroom where our students spend much of their day is their learning zone. Classroom security cameras could provide an added measure of safety. These could be set for activation in the event of a security situations.	Cameras and activation switches would be placed strategically in classrooms throughout the district.	Classroom cameras currently in use in the high school. Placement by principal request.	Continue to be available upon request.
6.3	District digital and electronic data is crucial to the operations of any district. To secure these files backup occurs for all district servers. An added measure is for the technology department to also provide off-site backup to ensure that all data is safe and accessible.	The District Technology Department will setup and monitor an off-site backup in the form of a second Nimble Unit.	Backup occurs on a regular scheduled basis on-site. Off-site backup is scheduled to be setup within the next budget cycle.	Future planning in the district.
6.4	To maintain the integrity of files, systems, networks and Jamestown Public School District resources it is crucial to have a plan for securing these systems and devices with anti-virus and anti-spyware.	The district technology department scans machines each summer to bring them current and to eliminate any problems. Software is installed to maintain the integrity of the systems. A state firewall is in place through EduTech.	Annual review done each summer.	Current May 2019
6.5	Password protocol is important to maintain a secure system where all district logins are kept at the securest level possible.	The district has set a password protocol to maintain the security of the system.	Protocol is reviewed by key stakeholders yearly. Technology staff put in place password change required by staff when computers are turned in for summer updates and at the start of 2 nd semester.	Current May 2019

ONE-YEAR TECHNOLOGY BUDGET 2019-2020

Budget Expenditures	Budget 2018-2019	Budget 2019-2020
Professional Salaries	\$260,000	\$265,000
Technical/Ancillary Salaries	\$65,000	\$50,000
Employee Benefits	\$107,000	\$107,000
Purchased & Technical Services - EduTech	\$22,000	\$31,800
Maintenance of Equipment	\$63,000	\$55,000
Travel	\$7,000	\$5,000
Material & Supplies and Software	\$30,000	\$26,000
Equipment	\$275,000	\$345,000
Other, Dues, Memberships, Fees	\$30,000	\$25,000
GRAND TOTAL	\$859,000	\$909,800

Revenue Budget	Budget 2018-2019	Budget 2019-2020
Local Funds	\$271,344	\$285,000
Federal Funds	\$15,000	\$15,000.00
GRAND TOTAL	\$286,344	\$300,000

TECHNOLOGY BUDGET NARRATIVE

Jamestown has six full-time and one part-time staff members in its technology department. In addition, the district utilizes building facilitators in each building to communicate technology needs to the technology department and facilitate basic technology support. The district has a “dark fiber” Wide Area Network through Dakota Central Communications and receives its Internet access through North Dakota STAGEnet. With available funding, the district will “turn over” its computers every three to five years as well as upgrade switches, routers, servers, printers, etc. during this time frame. And finally, the school district plans to update all machines to Windows 10. Microsoft Office 2016 as our integrated software package. PowerSchool is our administrative student database system.

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Reviewed May 2019