

Max Public School District #50

# Technology Plan

**2016-2019**

Max Technology Committee  
10-5-2016

## **A. Technology Plan 2016-2019 Max Public School District #50**

**District Buildings:** Max Public School K-12

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## **B. Planning Process**

We have a technology committee made up of teachers, administrators, and board members. At our meetings we have listed and created a priority list for the technology needs of our district. These include professional development, and new hardware and devices. The technology committee meets periodically to revisit the plan, reflect on outcomes, and bring new ideas to discuss.

### **Technology Committee Members:**

Galen Scheresky – School Board Member  
Alan Zahursky – School Board Member  
Robert Randel – High School Principal / Tech Coordinator  
Marissa Erickson – Elementary Teacher  
Maria Olson – High School Teacher  
Tenley Johnson – Business Teacher

### **Communication of Plan**

The plan will be submitted to the Max School Board during the regular October meeting and upon approval, will be posted on the Max School website.

### **Internet Filtering**

Internet filtering is provided by the ND IDT department through their IBOSS filter. Decisions on what content our district will filter and what will not be filtered are made by the Technology Coordinator and/or Administrators. Requests for individual sites to be unblocked are to be brought to the Technology Coordinator and/or Administrators. Requests to unblock an entire group of sites that fall under a category shall be discussed and decided by the technology committee, which meets quarterly.

Requests for the filter by-pass login and password will come to the Technology Coordinator, and will only be distributed by the Technology Coordinator.

### **C. Vision Statement**

The Max Public School, in order to provide opportunities to empower all learners, will prepare students for the changing world by incorporating technology as a natural part of learning. Employees and students will be expected to become literate and proficient in the use and application of educational technologies.

### **D. Goals, Strategies, and Timelines**

**Goal #1: To create a learning environment that includes technology resources for educators and students.**

#### **Strategies:**

1. Provide computer access to each student at any given time during school hours in order to complete classroom assignments, projects, and research.
2. Provide 1:1 computer access in grades 9-12
3. Provide wireless access throughout the entire building
4. Provide staff development on software and applications to turn technology into a learning tool, rather than just a resource.

#### **Timeline**

1. Ongoing
2. Implementation in fall of 2017 and ongoing
3. Completed, September 2016
4. Ongoing

**1.1i** Adding a second mobile lab to the school this year. As the Mac computers in the elementary reach end of life, they will be replaced with PC based systems, maintaining the uniform platform throughout the school.

**1.2i** At present, we intend to have a laptop for every student in grades 9-12. Teachers will have received inservice training on how students can use the laptops as a learning tool rather than just a research resource.

**1.3i** Wireless upgrade performed in September of 2016. Network was changed from the GWN fiber pipeline to direct from IDT. Eight Ruckus unleashed access points were placed throughout the school to provide wireless coverage to every room and area including a guest access wireless for athletic and other school events. Switches were upgraded to Cisco Meraki MS-220 POE+ 48 port gigabit switches, and new jumpers were installed for better access to the wiring. Switches include a 5-year cloud based management system and customer support through Cisco.

**Goal #2: To provide updated technology tools and infrastructure to support education and daily tasks of faculty and staff**

**Strategies:**

1. Provide reliable computer systems for students, faculty and staff use by implementing a 4-year computer replacement cycle.
2. Provide interactive projectors in each classroom
3. Provide assistive technology for delivering instruction
4. Provide uniformity of technology building wide
5. Technology coordinator will continue to improve and maintain network connectivity and reliability.

**Timeline:**

1. 2016, 2018 and ongoing
2. Ongoing
3. Ongoing
4. Ongoing
5. Ongoing

**2.1i** Current plan is to replace the high school teacher computers with solid state drive windows 10 machines, and then provide staff development to promote the use of computers as a tool for learning rather than only a resource. In 2018, the elementary staff computers will be replaced, and from that point, staff computers will be updated on a four-year rotation.

**2.1ii** Addition of another mobile lab for students to use this year on a windows 10 based system to increase current student access to devices.

**2.2i** Replace varied and outdated projector and interactive systems with uniform interactive projectors. Interactive projectors allow multiple students to interact with technology at the same time without the use of the additional smartboard.

**2.3i** Technology coordinator, technology committee, and staff will look for and assess the instructional value of various software, apps, and devices for implementation into classrooms.

**2.4i** Replacement of laptops and desktops school wide with systems using the same operating system in order to create uniformity for students and staff when using technology in the building.

**Goal #3: The district will support educators in their use of appropriate technologies to improve their teaching by enhancing the professional development of our staff.**

**Strategies:**

1. Provide training and inservice opportunities
2. Provide technical support from the school technology coordinator and colleagues
3. Inservice days will include technology sessions.
4. Tech committee members will forward tech hints and tips to staff as they become aware of them.

**Timeline:**

1. Ongoing
2. Ongoing
3. Ongoing
4. Ongoing

**Goal #4: We will provide instructional environments and activities that ensure that students will be technology literate by the end of the eighth grade.**

**Strategies:**

1. K-6: Students will use programs provided in the lab and classrooms to practice and enhance skills in reading, phonics, math and social studies.
2. K-6: Students will participate in keyboard training.
3. 7<sup>th</sup> grade will take 9 weeks of keyboarding followed by 9 weeks of using Microsoft office.
4. 8<sup>th</sup> grade students will take a class on using computer apps.
5. 4-12: Students utilize the Internet to research on topics and produce finished products from their sources in varied formats.
6. 7-12: Classroom teachers and school librarian periodically demonstrate the use of the State Library online resources, how to use search engines, advanced searches, and how to choose appropriate websites by evaluating their integrity and reliability.
7. 7-12: Students are supported by teachers, librarian, and technology coordinator to learn basic troubleshooting techniques and operation of computers and other technologies

**Assessment**

1. Observation of students while practicing
2. Teachers will use grading system to monitor progress
3. Grades received in respective classes.
4. Grades received in respective classes.
5. Observing students while practicing
6. Observing students while practicing
7. Observation of students and student feedback

**Timeline:**

1. Ongoing
2. Ongoing
3. One quarter of each class
4. One quarter of each class
5. Ongoing throughout the school year
6. Ongoing throughout the school year
7. Ongoing throughout the school year

**Goal #5: Max Public School District will use PowerSchool and NWEA MAP testing in order to improve instruction and learning opportunities.****Strategies:**

1. Students grades 2-10 will be assessed using the NWEA MAP tests in the areas of math, reading and language bi-annually.
2. The district is using the State Longitudinal Data System (SLDS) to house student assessment data including MAP assessments.
3. Faculty will use the data from NWEA MAP in order to target needed areas of instruction for students
4. Faculty will use powerschool data to identify students who are failing or in danger of failing and will work toward identification of concern areas and help students choose strategies to be successful.

**Timeline:**

1. Spring 2008 and ongoing.
2. Fall 2012 and ongoing.
3. Fall 2015 and ongoing
4. Fall 2016 and ongoing

**5.3i** The district has implemented professional development in which faculty learned to interpret the data collected from the MAP assessments and decide on the areas that are needed to improve on.

**5.3i** Data from NWEA MAP results are to be analyzed by administration and faculty for enhanced instructional processes and increased student learning.

**5.4i** PowerSchool data will be analyzed weekly by faculty and administration. Students whose progress is in need of attention will be discussed between administrators, teachers, parents and students involved. Students identified as being in need of assistance will be referred to the RTI program.

The administrators in the district will assess instructional strategies of teachers. Teachers will also have an opportunity to assess themselves. The technology committee will assess the results of using technology as a tool to enhance instructional strategies.

The technology committee will annually revisit the district technology plan and discuss any additions or changes that need to be made in order to improve service to the students, teachers, administrators, and the public.

**Goal #6: The Max Public School District will use distance learning technologies to provide extended learning opportunities for students.**

**Strategies:**

1. Internet access available in all areas of the school to provide access to multimedia offerings.
2. 9-12 ITV courses available for FACS, Languages, Art, and college level classes.
3. Media subscriptions to Learn 360, Discovery, and reading programs to provide additional informative and learning opportunities to students.
4. Online library access for students.

**Timeline:**

1. Ongoing
2. 1995 and ongoing
3. 2007 and ongoing
4. 2007 and ongoing

**Goal #7: The Max Public School will use technology to keep parents and the community informed about school developments, activities, and other information.**

**Strategies:**

1. School website will be periodically updated with relevant information and faculty will maintain their class pages with information for parents.
2. Social media will be used to connect and communicate important school events to parents and the community.
3. Important announcements will be communicated to parents through our instant alert system regarding school closures, conferences, early dismissals and other relevant information.

**Timeline:**

1. 2006 and ongoing
2. 2015 and ongoing
3. 2009 and ongoing

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