

MSAD#20 boasts a robust environment for integrating classroom learning and computing. All teachers are issued a laptop for performing their day to day duties (email, attendance, updating grades in Moodle).

Our district utilizes technology for numerous purposes including email access for students (starting at grade 6), Web2school student information system, computerized management of our heating system and security cameras, access to “Moodle”, our computerized class management system which is used for grade keeping and information/exercises, computerized checkout for our lunch system, NWEA standardized testing, computerize card catalogs in our Middle/High school and Elementary School libraries, the Accelerated Reader and Accelerated Math programs for allowing students to practise on an individual basis their reading and math comprehension.

MSAD#20 is also an ATM site. Being an ATM site means that we have a room outfitted with cameras and microphones for distance learning. Students can attend a class that is not offered by our own system by participating with the teacher and students of another ATM site via the internet in real-time.

Our district is also in the beginning stages of integrating a Tandberg unit into our system. MSAD#20 is a partner of MSAD#59 for grant purposes, which provides 2 units to our district at no cost to us. The Tandberg unit is a multimedia cart that includes a projector, high quality video camera, microphones, dvd/vcr combination, and networking capabilities. This unit can be used for video conferencing with other classes, virtual tours, as a video recorder, and as a unit for playing back dvds/video tapes using the built-in projector.

Wireless internet/network access was installed throughout our Elementary building in the spring of 2008. Our Middle/High School also has wireless internet/networking throughout through a combination Airports (wireless access points) provided by the MLTI2 program and additional Airports added to cover the non-7th/8th grade areas.

MSAD#20 has done a major upgrade to our network infrastructure over the past summer. These upgrades included testing, certifying, labeling, and organization of our wiring. We also upgraded the equipment that connects our two sites via on campus fiber optic cable to increase speed between our sites. These upgrades have also included faster switches for each of our buildings. These upgrades will assist MSAD#20 by providing faster and more efficient access to the internet and local network for current and future projects.

Our district has the following available at our respective schools:

Elementary School –

- Networked printing to laser printers, one in the hall of each wing, one color laser centrally located upstairs and access to a networked copier in the Teacher’s Lounge

- Teachers also have a desktop computer in the classroom for independent student use
- Elementary School Library Lab – 19 Computers, projector and SmartBoard, scanning station, a photo quality printer and a networked black and white laser printer
- Elementary Upstairs Lab – 26 computers, projector and SmartBoard, networked black and white laser printer

Middle/High School -

- We participate in the MLTI2 program, which provides Apple Ibooks to our 7th and 8th grade students and staff, and MacBook laptops for the High School Staff on a 1-to-1 basis
- Networked printing to black and white laser printers in 7th/8th grade classrooms
- 6th grader are provided laptops from the purchased from the first MLTI program in a 1-to-1 basis and networked black and white laser printer in the 6th grade common room
- Room 115 – 24 computers and networked black and white laser
- Library Cluster – 6 computers with access to the computerized card catalog, shared black and white laser
- Business Lab – 22 computers, SmartBoard and projector, color laser printer, black and white laser, networked multi-function copier/printer
- Guidance room – 5 networked computers with access to the internet for use in career exploration and college applications
- Mobile labs – the High School currently has two laptop carts for use by students in the classroom. One of the carts is loaded with 20 Apple iBooks and the other contains 20 Dell laptops for writing and research, Moodle access, and presentations