

BOLD PUBLIC SCHOOLS

District Number: 2534

Technology Plan

updated 2/14/2020

“United to achieve excellence and expecting the best - Be BOLD.”



DISTRICT

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IDENTIFIED OFFICIAL WITH AUTHORITY INFORMATION

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TECHNOLOGY CONTACT INFORMATION

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Technology Mission and Vision:

The mission of ISD 2534 is to provide all learners in the BOLD community an education designed to develop the creativity, character, and confidence necessary to flourish in a changing global society.

The vision of ISD 2534 is to:

- Create a network and technology infrastructure that will grow sufficient to support all of the needs of instructional delivery and accountability.
- Provide students with 21st century skills for the workplace and higher education.
- Digitize and customize curriculum.
- Provide staff with all necessary technology support and professional development.
- Develop a technology support organization that provides technical and instructional support and oversight to all staff and students.
- The BOLD School District will keep current with technology hardware and software to improve student achievement.
 - Annually review the technology budget to ensure that all technology needs are met.
 - Design, implement, and approve a 3-5-year technology budget.
- The BOLD School District will support both students and staff in building their technology competencies in ways that keep instruction at the forefront

- Continually identify options for improving technology instructional strategies.
- Continue collaboration with North Collaborative Schools to promote technology skills and enhancements.
- Develop a plan to identify and obtain additional technology resources

The technology mission statement of ISD 2534 is to incorporate technology in the educational program so that the district will:

- Encourage problem solving, exploration and learning in the classroom.
- Provide equitable distribution and access to technology for all students and staff.
- Improve staff productivity through in-services, specialists, and/or peer training.
- Provide for both current and future technology needs.
- Provide easy-to-use, state-of-the-art technology within the district.
- Implement a comprehensive, integrated management information system.
- Encourage district-wide communication.
- Prepare students to become productive members of digital society.
- Equip and train all teachers, administrators, and staff with current technology to improve the quality and effectiveness of student achievement.

Technology Plan

1. Technology Needs Assessment

- Upgrade Switch network.
- Upgrade current Smartboard/Projector systems with modern whiteboard/projector capable of wireless transmission from computers and 1 to 1 devices.
- Upgrade SmartBoards in grades K-2
- Update the 1:1 program every three years with new devices.
- Find new ways to connect the physical classroom with the virtual classroom.
- Reimagine the space and concept of the Media Center to conform to updated standards.
- Provide electronic alternatives to paper to reduce paper costs to the district.
- Add/update cameras on the security system.
- Segment network to provide better security to staff/students devices

2. Goals and Strategies:

- Provide a sufficient technology budget for technology to keep current with the latest technology.
- Utilize eRate program to upgrade Switch network.
- Develop a 3-5 year plan to upgrade all outdated Smartboards and Projectors systems
- Assess the 1 to 1 program in year 21-22 and develop a plan for updating
- Virtual Classroom?
- Media Center ?
- Reduce paper? Reevaluate Marco contract.
- Add cameras to key locations where surveillance is needed. Provide enough hardware resources to camera system for adequate data recovery
- Continually assess network security and implement any changes needed.
- Provide training to staff to acquaint them with use of newer technology

3. School Media Center

- BOLD schools are equipped with a Media Center in each of its buildings. The Media Center staff is involved with the planning and updating of technology in the district. Our school Media Center also uses outside sources such as the Electronic Library of Minnesota and public libraries in the area to meet technology and research needs.

6. Integration of Technology into the Curriculum

- A goal of the Technology Committee is to research current and developing technology and to provide to the school district suggestions and direction regarding technology. The committee will work to provide information regarding resources available to educators and administration to promote integration of technology into the curriculum. The committee shall also encourage other staff members at their site to research new uses of technology within their curriculums through demonstrations and dialogue.

7. Technology Operations Management Requirements Security and Disaster Recovery

- Backup and recovery systems are being completed through off-site and local backups. Servers are being coordinated by the Technology Director. Servers are being backed up with off-site online backup used for disaster recovery.
- Uninterruptible power supplies are currently attached to each server, router, and switch. All staff workstations require a password. Levels of security have been established and implemented at each site level.
- A firewall and web filter is in place to protect the local area network.

8. Technical and User Support

- If a district Technology Director is unavailable, the members of the Technology Committee can be contacted.

9. Hardware and Software Upgrades

- Core hardware and software upgrades are determined by the Technology Committee on a yearly basis. All other software purchases and upgrades are determined by department and/or grade level.

10. Hardware and Software Maintenance

- Support agreements are currently in place for the Media Center program, core software, and the Student Information System. Most hardware is purchased with a 3-year parts and labor warranty. All other maintenance and troubleshooting is coordinated through the Technology Director and support personnel outlined in the Technical and User Support section above.

11. Professional Development Plan

The success of our Technology Plan depends on staff training in order to successfully utilize the technology. As individuals devoted to learning, staff members also need time and training to further their learning process. Staff members need ongoing training and support on existing technology as well as any added applications and/or equipment. The Technology Committee recommends the retention of technology as a staff development goal throughout the district.

The district will provide the following opportunities in-house:

- Training on use of Media Center's electronic resources.
- Training on applications available.
- Training on use of available equipment.
- Staff development will be provided in cooperation with the North Collaborative..
- ISD 2534 will offer in-service before and after school as well as during staff development days.

12. Evaluation

The Technology Committee meets the fourth Monday of the month to review staff input, make plans for the future, and to make sure that they are implementing the district goals as stated in the Technology Plan. The Technology Committee is comprised of the Technology Director as chairman, administrators, teachers, media specialists, and a school board representative. The committee operates under the guidance of the school board and Superintendent.

The Technology Committee's responsibilities include:

- Develop the Technology Plan.
- Review the technology plan yearly.
- Evaluate the progress of the Technology Plan through survey results.
- Coordinate purchases as funds are available.
- Supply adequate technical support and maintenance of equipment.
- Provide staff development.
- Provide resources for integration of technology into the curriculum.

Assessment in the district will be done through:

- Conduct annual survey of staff needs and technology usage
- Maintain, monitor, and adjust lists of site needs.
- Compile progress reports pertaining to Technology Plan.

13. Communication within and outside of the district shall be done through:

- Daily and weekly announcements
- E-mail or District social media accounts
- District web site

14. Develop and maintain technology policies, which include but are not limited to:

- iPad Policy
- Internet Use Policy

All policies are located at <http://bold.k12.mn.us/> under District → District Policies

15. Inventory and Future Hardware Funding

Inventory shall be maintained by the Technology Director and include: (Available upon request)

- Computers/iPads
- Servers
- Peripherals

- Operating Systems and Application Software

Funding provided through Capital Outlay Funds, Staff Development Funds, E-Rate Universal Service Fund, and various grants. This list will be reviewed and modified yearly by the Technology Committee. The Technology Committee will do implementation through a yearly prioritization process based input from the Technology Committee. Prioritized items will be placed on the Capital Outlay request list or other places of funding will be sought for those items.

16. Link to Current Technology Plan:

<http://bold.k12.mn.us/> under District → District Policies

17. Children's Internet Protection Act (CIPA)

- This District has an Internet Safety/Acceptable Use Policy in place.
 - <http://bold.k12.mn.us/> under District → District Policies
- This school district deploys an Internet filter to protect minors from material that is pornographic or otherwise harmful to them.

18. Data Collection 2-14-2020

iPads 740

Mac computers 265

Servers 20

Switches 13

Phones 125

Wireless access points 60

Smartboard/Projectors 60

Copiers/Printers 20

Security Cameras 80

Door access readers 36