Technology Plan Cover Sheet
2016-2018 (July 1, 2015 – June 30, 2018)

Organization Information

District/Agency/School (legal name): Mountain Iron-Buhl Independent School District No. 712

District Number: 712

Technology Plan Status

The District/Agency/School has an approved 2013-15 technology plan:

☒Yes ☐ No

2016-2018 Technology Plan Date of Creation: 04/28/2015

Identified Official with Authority

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2016-18 Technology Plan Template

Mt. Iron Buhl ISD 712 Technology Plan: 3-Year Ongoing Working Document

Technology Needs Assessment. Describe the processes(s) used to determine the technology needs for the LEA for 2016-2018 and briefly summarize the needs that have been determined. Make sure to include any technology needs that will be supported through E-rate discounts, such as telephone, telecommunications access, Internet, and other E-rate eligible services:

 The technology needs assessment combines communication with School Board technology committee, administration, computer technician, media specialist, technology integrationist and teachers. We evaluated our current access, connectivity, usage, and level of technology as needed for system critical function, student data management, MN online student assessments, classroom curriculum support, student usage, training, and communications. This parallels the Education Innovative Partners (EIP) needs assessment which has been completed to assess bandwidth, foundation, 1:1 implementation, shared curriculum, technology used to maximize teaching and learning, distance learning; Telepresence, and shared core infrastructure.

 Our 5-year hardware replacement plan and various software applications included in budget forecasting will be determined based on State education funding allocations. We strive to afford the adequate current technology levels based on financial support. Updates to technology through collaborative purchasing and grants, E-rates discounts, and assessment of their potential will be ongoing.

 Connectivity Assessment: ISD 712 has contracted with the Middle Mile Fiber Project, a regional fiber connection for internet access and connectivity. We also have a fiber backbone within our buildings. Wireless capability is provided for classroom carts and mobile computing. ISD 712 plans for continued technology maintenance support, telephone (IP) connectivity, CIPA compliance, adequate bandwidth, video conferencing (Telepresenc), security, and data recovery. Updated desktop computer components will be assessed district-wide during the three year plan. An annual E-rate application for specific technology contract discounts will continue for fiber connectivity and bandwidth, a district interactive website, telecommunication services, video conferencing, and internal connections as deemed necessary for internet connectivity.

 Needs Assessment Results

- Implementation of iPads into the classroom with age appropriate applications is complete at the high school and elementary. Evaluating an LMS (learning management system) is warranted. Staff development for LMS is needed. A fulltime 1:1 technology integrationist will provide K-12 hardware and curriculum support and training. An MIB IPad Implementation Survey was provided for information gathering from several groups of the MIB community, students, teachers and administration.

- Support further website communications with families to promote student learning. Workflow and online payment tools to be utilized with the website (SharpSchool).

- Employ highly trained teacher and also provide ongoing teacher training to enhance classroom technology integration with the curriculum and state

standards. It should be specifically geared to new hardware, best practices and meeting adequate yearly progress goals. MN's teacher evaluation training and implementation is in place and will be utilized to improve classroom teaching.

- Maintain the levels of technology we currently have in regards to hardware, software and media access. Follow the computer replacement cycle. Wireless upgrades may be needed based on future purchases of wireless components. Internet content filtering hardware assessment is ongoing.

- Upgrade our district telephone systems.

- Continue to evaluate the upgrades with the new remodel of Merritt Elementary and if a new high school is deemed relevant in 2016-17, collaborative planning with builders is essential.

- Keep an annually updated inventory of hardware and software for each building. Determine responsible retirement of hardware and software based on usage, wear and lifespan of digital products. Determine resale or recycling options as needed for larger items.

Goals and Strategies. List the specific goals and strategies for 2016-2018 that address how your LEA will use technology to deliver education and assist with school administration:

1. Use interactive technologies to motivate students, enhance differentiated learning and improve test scores.

    - 2015-2016: 1:1 iPads 4th-12th grades. Continue policies adjustments for student or family use of iPads/tablet technologies. Evaluate LMS opportunities for collaborative purchases.

    - 2017-2018: Add staff technological devices based on current trends, evaluations and need.

    - Plan the new school environment with the help of architect (current: Architectural Resources)

    - Migrate to online textbooks in one content area as a pilot. Consideration for more.

    - Promote library e-books through Follette.

    - Offer two (2) community education technology courses for families online or telepresence.

    - Follow a five year replacement cycle for personal devices.

    - Curriculum in alignment with the MN Standards at all grade levels.

2. Increase parent and community communications.

    - Offer community education courses semi-annually for new technologies.

    - Promote SMS Parent Portal (student management system-current: Infinite Campus) at all educational levels

- Website design features are used for communications, video, workflow and purchasing.

3. Use technology to assist school administration, classroom teachers and support staff.

   - Utilize Google Education or comparable for collaboration on projects and between departments.
   - Website design features used for communications, workflow, and purchasing ease and cost savings.
   - Develop social media presence for marketing, communication and collaboration.

4. Use technology to collaborate with other schools to enhance educational opportunities and communication experience for all.

   - Utilize Telepresence to collaborate with other districts' personnel for training and coursework.
   - Utilize Telepresence to offer and accept personnel training, meetings and high school coursework within our community. Possible courses include social studies, upper math and special offerings.
   - Continue to attend and collaborate with the regional technology user group (TUG).

5. Reduce technological costs.

   - Annually 2016-2018: Support Erate discount processes for telecommunications, Internet access and hardware. Assess the future eligibility lists annually.

   - Administration will utilize federal, state, community and other fiscal opportunities and grants for reducing cost.

   - Will utilize district website and web 2.0 collaborative tools in daily workflow areas.

Professional Development Plan. Describe the professional development strategies you have in place for 2016-2018 to ensure LEA staff are prepared to use the technology infrastructure, software programs, and online resources provided:

ISD 712 prepares the yearly calendar to include at least five days of teacher in-service activities. Under administrative directive, Learning Community groups may continue to be developed during the year and offered for classroom teachers and curriculum/technology integration support. The "Train the Trainer" model will be utilized.

 ISD 712 will build in time for grade-level and/or department meetings to plan and correlate standards with technology, practice features in learning management systems (LMS:iTunes U, Schoology) with devices, develop activities, projects and lessons that include technology for improving teaching and learning. This includes the State of MN Teacher Evaluation Model. Meeting time will be used for peer evaluations based on the Performance Standards for Teacher Practice. These include working on professional growth within indicators in the domains of Planning, Environment, Instruction and Professionalism.

ISD 712 will continue to support off-site learning opportunities, conferences and workshops, relating to using technology to improve teaching, learning and teaching content related to academic standards. A subscription to Atomic Learning will be continued as well as expanded use of vendor and education webinars to keep up with new trends and updates.

To better conduct business ISD 712 employs a wide range of operational and analytical data systems. These include student accounting, finance, human resources, asset management, student performance, transportation, library resource, and food commodities systems. This also can include system critical technologies as well as technologies mandated by state and federal governments.

In regards to ongoing staff development, the following list encompasses hardware and software training demands on a rolling or as-needed basis.
Current list of network tools used by the district community.
Horizon: Online Arrowhead regional
Food service automation, INAC.
Smart Finance - Business office Systems hosted by ARCC.
Infinite Campus - student management, communications, grading, staff, scheduling
Cameras – security for all buildings, internal and external.
Ice Warp email hosted by ARCC, Google mail for iPad requirements
Instant Alert message systems
ELM, Electronic Library of MN databases
9-12 option to access MSC Online High School Courses, a few MIB currently create and teach online
FollettShelf - online eReader, over 300 ebook titles available for K-8 levels.
Horizon library automation software database/ library catalog, 2 terminals connected to regional
Arrowhead Library System
Telepresence / Video conferencing Studio Carts at two school sites: Education Innovative Partners
Remote IT access for troubleshooting/tech support through NESC, network monitoring
Star Testing, Accelerated reading K-6 programs, AR bookfind and online assessments.
240 iPads, 2015-16   10 Elementary Carts   (Need true numbers here – ask Amy or Bill)
Teacher iBooks, 2 Elementary MacBook carts, 1 HS MacBook cart
4 district Apple computer labs Microsoft Suite of Tools, Google Tools
Teacher MacBook Airs 2015, Microsoft suite
Teachers use classroom Smart technology
Online junior high typing/technology curriculum program
SharpSchool district/school websites/teacher pages
Atomic Learning online technology tutorials
eFolio, online portfolio system for Teacher Evaluation Documentation as needed
MCIS, MN Career Information System
MCCP collaborative digital textbook project – member district, (needs Schoology, Moodle, Flexbooks)
MN State testing network and K-12 student data analysis
Northland Special Ed data system

Evaluation. This is the evaluation process for our technology plan for 2016-2018, including timeline, roles and responsibilities, and information gathered to assess how the technology plan goals and strategies are being met:

Strategies will be realized largely based on budgetary limits and future technical costs. Technology is ever changing and we will continue to plan and re-evaluate where we are and where we want to be. We will ask staff and families how they are using technology and how it affected their teaching and learning.

On a yearly basis the Superintendent and technology committee will assess and recommend cost efficient purchases. Building principals are accountable to ensure each classroom instructor has lesson plans that integrate the use of technology in teaching and learning aspects of the lesson. The technology committee members are to annually determine policy for student or family use of iPads/tablet technologies including lease/purchase formations. The technology committee will hold open meetings annually to gather input from parents. Our student management system (SMS: Infinite Campus), our learning management system (LMS-ITunes U, Schoology, Google) will be used for communication in the District. Bldg. principals along with a tech committee consisting of board members, staff, and students would meet on a regular basis to review and make recommendations for software, hardware, & training to assure follow through.

This document plan was approved by the School Board at their May 26, 2015 meeting.

Optional Links. Provide links to district strategic planning documents, survey instruments, policies, or other resources that were used to provide data and help prepare the technology plan:

MIB Website: *www.mib.k12.mn.us*

NESC *www.nesc.k12.mn.us*

ARCC *www.arcc.org*

EIP *educationinnovationpartners.org*

Link to Current Technology Plan. Provide the link on the LEA website where the technology plan will be posted and updated throughout the planning period: Link to technology plan: www.mib.k12.mn.us

Children's Internet Protection Act (CIPA)

This LEA has an Internet Safety/Acceptable Use Policy in place.

☒Yes ☐No

If yes, please provide a link to access the policy at the LEA website: Located within the Parent/Student Handbook: www.mib.k12.mn.us/for_parents/policies__handbooks

This school district deploys an Internet filter to protect minors from material that is pornographic or otherwise harmful to them.

☒Yes ☐No

Submit the cover sheet and template in PDF or Word (not a scan) by e-mail to: mde.schooltechplan@state.mn.us.