



Device for Every Learner Update

November 12, 2020



Tonight's Overview

- Device for Every Learner Program
- Device and Support Updates
- Survey Feedback & Growth
- Next Steps



Device for Every Learner Program
Mahtomedi Public Schools

• SMARTER LEARNING

• GRADE ADVANCE

Connection

Support

Growth

Device for Every Learner Initiative: Purpose

Connection: Deliver equitable connection to teaching and learning by removing the access barrier by providing common devices and technology tools for all of our educators and students.

- Wildwood: iPads
- OHA, MMS, MHS, Passages: Chromebooks
- Other tools: Hot spots, webcams, different devices for teachers, apps, and programs

Support: Anticipate technology needs and provide support to educators and students on common issues as they use their device.

- Device Website
- Support Requests

Growth: Build a technology library for our educators, students, and families that builds on current skills and grows as needs and new technology arrives.

- Video overviews
- Trainings



Device for Every Learner Initiative: Educational Impacts

- **All K-21 students will have equitable access to common devices allowing any time, anywhere learning.**
- **Students and teachers will be prepared if the school scenario shifts during an outbreak.**
- **All students and teachers will now have reliable devices with webcams and microphones making online, face-to-face learning possible across our school buildings.**
- **When each student has their own device, we eliminate the demands on time and labor required to sanitize shared devices and focus energy toward supporting the classroom.**
- **If a student is sick or it is necessary for them to quarantine, they will have a reliable device to connect with their teachers, and lessons and learning can continue seamlessly.**
- **When each student has the same device, teachers can create uniformed experiences and expectations, which allows a better focus on student learning rather than technology.**
- **When each student has their own device, they have a greater ability to drive their learning experiences based on individual learning styles and needs.**
- **All students participate in a variety of learning activities both online and offline and their device will be one tool to enhance their educational experience.**



Devices and Technology Tools By the Numbers

Device Distribution

iPads

Students: 575

Staff: 30

Chromebooks

Students: 1,600

Staff: 260

Hotspots

Students: 50

Staff: 10

The Device for Every Learner Device Distribution was implemented in 2 months. Every student and teacher had their district device by September 9, 2020.



Devices & Support Update

Additional Considerations

- Students who may require a second device
- Students who need an alternate location to do their school work during the day
- Students who need more reliable access to high speed Internet
- Distance Learning teachers have unique needs



Support By the Numbers

Since September 1, 2020

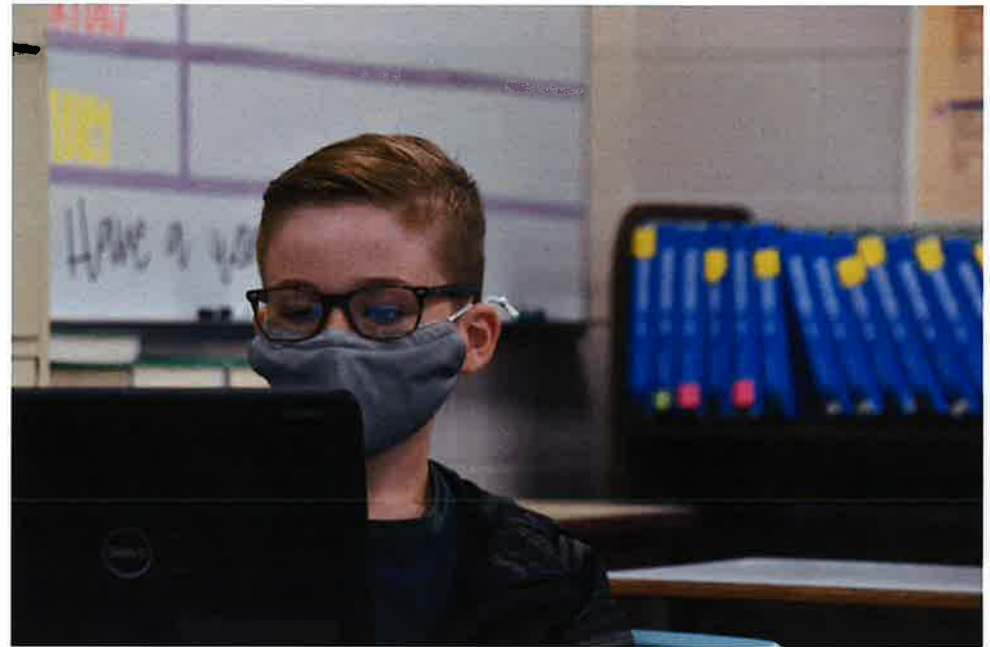
110 student online help form requests

955 staff help desk requests

Most common issues include battery life, audio settings, device slowness, internet connectivity, and “glitches”

Device Support site

www.mahtomedi.k12.mn.us/devices



Survey Data

About the Family and Student Surveys

- Family and student surveys were conducted between October 8 and October 18, 2020.
- The surveys included questions about their experience under the current learning model during the fall of 2020.
- Families were asked to complete a survey for each of their children.



Survey Data - Mahtomedi High School

Summary of Survey Results

Google Classroom Confidence

- **97%** of students agreed or strongly agreed they are a confident user
- **90%** of families agreed or strongly agreed their child is a confident user

Chromebook Confidence

- **93%** of students agreed or strongly agreed they are a confident user
- **94%** families agreed or strongly agreed their child is a confident user

73% of students receive the technology training they need at school

57% of students know where to get technology help if they have a question or issue



MHS Technology Growth: Voices from Surveys

“Our daughter is able to organize, complete her homework, converse with her teachers all online.”

“I feel like doing distance learning has helped her better to prepare for college and life in general.”

“More proficient in computer skills, computer research skills”

“She has found many new platforms and computer tricks shown to her either by her teachers, classmates, or by accident.”

Survey Data - Mahtomedi Middle School

Summary of Survey Results

Google Classroom Confidence

- **93%** of students agreed or strongly agreed they are a confident user
- **89%** of families agreed or strongly agreed their child is a confident user

Chromebook Confidence

- **95%** of students agreed or strongly agreed they are a confident user
- **93%** families agreed or strongly agreed their child is a confident user

82% of students feel they receive the technology training they need at school

82% of students know where to get technology help if they have a question or issue



MMS Technology Growth: Voices from Surveys

“Confidence in using device and communication methods to reach out to teachers for support/questions.”

“Multiple modes in which to complete and submit assignments—my daughter has learned and tried them all, making her very flexible! Photos, scans, docs copy/paste etc!”

“My child is a pro at Google Classroom and Google Docs and Google Slides... she amazed me with some Health project she created in Slides this week. She's even teaching me things. :)”

“Our son has developed an increased level (from an already substantial level) of knowledge and confidence when it comes to troubleshooting, apps and programs like Word. We feel like he has also developed an even more independent nature when it comes to figuring out new technology. He is very excited, as are we, with newly acquired skills and knowledge. Obviously his typing skills have improved leaps and bounds since last Spring as well. We really love all of the exposure to new creative and educational content teachers are teaching with and our son is always excited to show us his new skills.”

Survey Data - O.H. Anderson Elementary School

Summary of Survey Results

Google Classroom Confidence

- **99.62%** of students agreed or strongly agreed they are a confident user
- **94%** of families agreed or strongly agreed their child is a confident user

Chromebook Confidence

- **99.03%** of students agreed or strongly agreed they are a confident user
- **96%** families agreed or strongly agreed their child is a confident user

88% of students receive the technology training they need at school

90% of students know where to get technology help if they have a question or issue



OHA Technology Growth: Voices from Surveys

“During at home distance learning days she can log in to her chromebook and get right to work on her own! It's pretty incredible to see her get to work!”

“She's just become more tech savvy. In this day and age, it is important to understand technology. We are appreciative of the tech opportunities at school.”

“My daughter (3rd grade) has become way more computer savvy with everything. She tries to type she understands how to log in and do her work, she knows when her battery is getting low, she likes feeling independent with her school work.”

“My child made the transition very quickly from Seesaw to Google Classroom with little direction from me. The teachers did a great job.”

Survey Data - Wildwood Elementary School

Summary

Seesaw Confidence

- **91%** of families agreed or strongly agreed their child is a confident user

iPad Confidence

- **97%** of families agreed or strongly agreed their child is a confident user

Growth of Technology Skills

- **75%** of families reported their child's technology skills have grown

WW Technology Growth: Voices from Surveys

“He knows ways to do things faster on the iPad in Seesaw, like using the microphone tool instead of having to type.”

“He is very self-sufficient with his iPad and needs minimal help from me for his distance learning homework. He learned a lot over the end of last school year, but has definitely improved on that this year.”

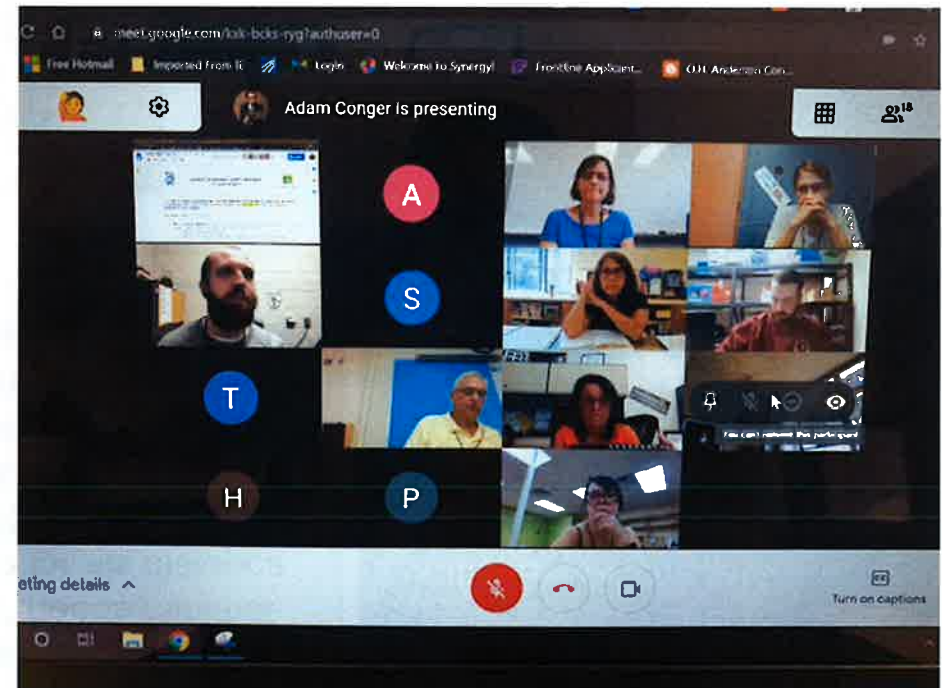
“My son is now fairly self-sufficient on the tablet whereas last year I needed to sit with him the entire time to help him navigate the apps. Now he's able to show me how they work! I would say that's a testament to his teacher and the time spent in the classroom at the beginning of the year reviewing the apps.”

“I'm in awe at the technology growth my child has shown this year compared to the spring of 2020. My child is comfortable on Seesaw and his iPad. He no longer needs constant support from me to complete his work. Thank you!”

Survey Data

About the Staff Surveys

- Staff surveys were conducted between October 12 and October 18, 2020.
- The surveys included questions about their experience under the current learning model during the fall of 2020 related to
 - Learning systems
 - Devices
 - Training
 - Growth



Learning System Confidence	Strongly Agree & Agree
I am confident in using Google Classroom.	
Wildwood	-
O.H. Anderson	95%
MMS	87%
MHS	89%

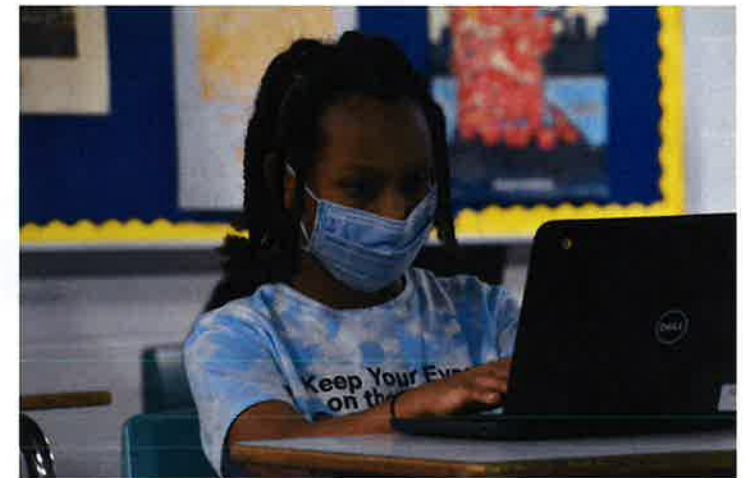
Device Confidence	Strongly Agree & Agree
I am confident in using my district provided device.	
Wildwood	78%
O.H. Anderson	86%
MMS	91%
MHS	91%

Training Needed is Provided	Strongly Agree & Agree
The technology training I need is provided at my school or virtually through resources provided by the district.	
Wildwood	38%
O.H. Anderson	89%
MMS	48%
MHS	60%

Growth in Technology Skills	Strongly Agree & Agree
My technology skills have grown this year.	
Wildwood	87%
O.H. Anderson	91%
MMS	82%
MHS	89%

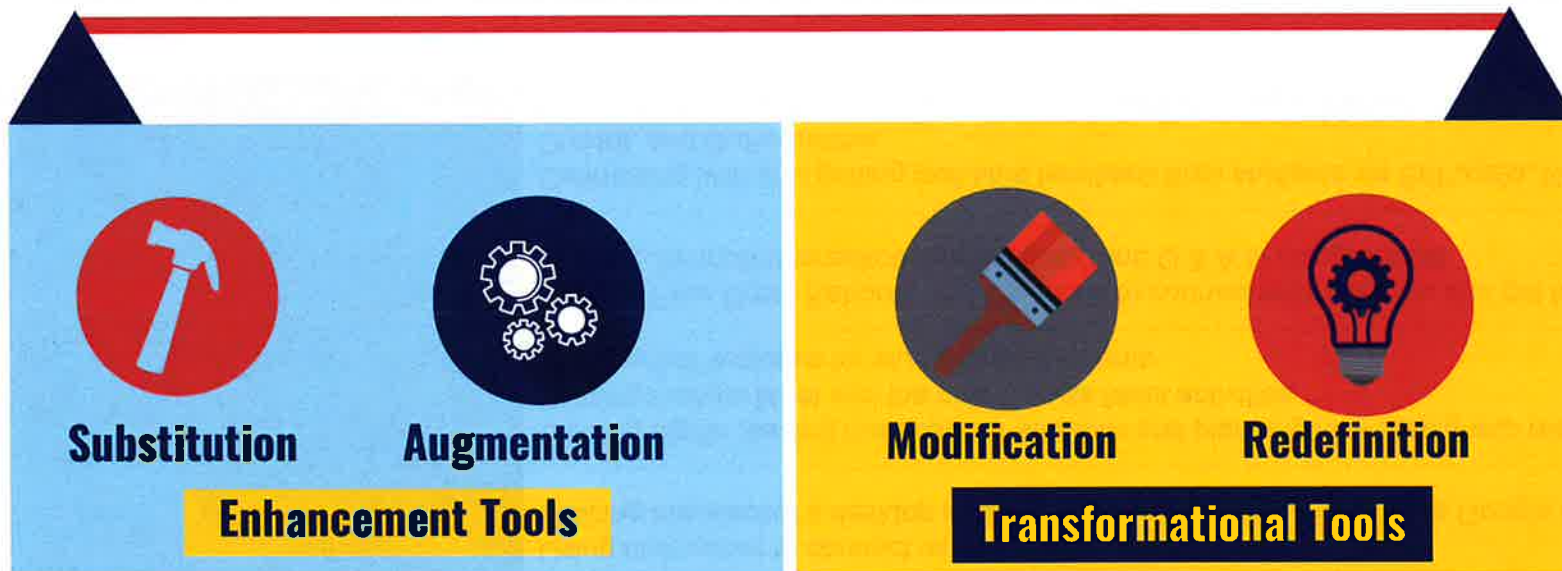
Using Survey Data to Make Operational Changes

- The survey data shows us that **our educators have the important foundational technology skills** related to device use, learning platform, and how to seek support.
- What we also learned from the survey data is that **educators need time built into the schedule for technology training** whether it is structured from the Mahtomedi Technology Department or via peer collaboration and learning.
- There is also an important step between technology training and implementation, **educators also need technology exploration time** or “sandbox” time built into the schedule in order to practice skills.
- Now that our educators have strong foundational skills, **we can support their growth in exploring transformational technology skills** that speak to our district strategic plan and school building plans. We call this expanding their technology skills toolbox.



Technology Skills Toolbox

Inspired by www.schoology.com/blog/samr-model-practical-guide-edtech-integration



Enhancement Tools

Substitution: Using Google Maps instead of a textbook or Atlas to locate state capitals

Augmentation: Using text-to-speech add-ons to have text read to a student or speech recognition in place of typing

Transformational Tools

Modification: Create a mindmap, instead of a written report, about a state capital that includes research and images.

Redefinition: Use Google Docs to gather research on a state capital as a collaborative group. The group then uses Google Earth to create an interactive multimedia tour of the location. Finally, the tour is posted on a classroom website and shared with the city's chamber of commerce.

New Technology Skills in Action

What do these new technology skills look like in our school buildings?

Wildwood Elementary School

Using nicknames to connect with students via Google Meet
Utilizing the teacher's desktop and Chromebook to teach a lesson via Google Meet

O.H. Anderson Elementary School

Utilizing digital reading materials for students and planning for virtual group reading
Utilizing Google Meet and the new Google Meet activities
Utilizing GoFormative for student assessments

Mahtomedi Middle School

Utilizing Pear Deck, Kahoot!, and EdPuzzle to connect with students and get feedback
Utilizing Jamboard, breakout rooms, polls, and Q & A in Google Meet

Mahtomedi High School

Connecting with and getting real-time feedback from students via EdPuzzle, Nearpod, Kahoot, Quizlet, and GoFormative.
Utilizing Genius Scan for students to share work in Google Classroom



Next Steps: Changing Needs & Training

Adapt to Changing Needs

- O.H. distance learning students
- Elementary Math Instruction
- Learning Model Changes to Distance Learning
- Password management

Training

- Staff Development Days
- Learning Model Transition Days
- Consistent Ongoing Professional Development



Next Steps: Looking Ahead

- Single Sign-on for elementary students
- District-wide learning management system
- Inventory management
- System for evaluating online resources
- Rethinking classroom technology needs
- Capital Projects Levy for Technology



Questions

