HENNEPIN SCHOOLS

Technology Plan
2021-2023 (July 1, 2021 – June 30, 2023)

HS 2021-2023 Technology Plan

Technology Goals

The HS technology goal is to focus on utilizing technology that supports online learning. This goal drives students, families, teachers, and administrators to embrace the online learning environment within the context of HS's educational program. A critical component of the plan will be to create a multimedia-rich environment of anywhere, anytime learning. The following goals specify how HS will integrate technology in teaching and learning.

Technology Goal#1: Mobile Student Centered Computing

Purpose:

A one-to-one computing environment encourages creativity and innovation, facilitates communication and collaboration, supports research and access to digital content, increases critical thinking and problem solving opportunities, and promotes the proper use of information and technology.

Teacher Activities:
- Teachers support access to digital resources and technology tools.
- Teachers encourage creative thinking and innovation.
- Teachers facilitate communication and collaboration in virtual environments.
- Teachers regularly facilitate student access to digital content and multimedia.
- Teachers capitalize on digital resources to promote critical thinking and problem solving.
- Teachers model the proper use of information and technology.

Student Activities:

- Students access digital resources and technology tools when needed.
- Students are motivated to think and work creatively and to be innovative in building knowledge and solutions to problems.
- Students communicate and collaborate with peers in virtual environments.
- Students access digital content for the informational and research purposes.
- Students utilize technology to think critically and solve problems.
- Students demonstrate the proper use of information and technology to build and demonstrate knowledge.

Resources:

- Chromebooks
- Tablet/touch devices
- Mobile cart for charging and moving the devices from classroom to classroom
- Online (e.g. cloud or network) collaboration and storage of files.
- Long battery life (6-8 hours minimum).
- Wi-Fi access to all devices
- Adequate informational technology support for increased technology
- Professional development associated with changes in practice (e.g. the implementation of tablet devices).

Technology Goal#2: Online Learning

Online Learning will allow for the delivery of, access to, and interaction with content in a convenient way that will promote learning.

Purpose:

The purpose of online learning is to allow for the implementation of a more relevant and individualized education for students.

Teacher Activities:

- Teachers facilitate classroom activities in an online learning environment.

Student Behaviors:

- Students work within a flexible schedule to meet their personal needs.
- Students participate in the online learning environment from offsite locations.
- Students access teacher assistance beyond the typical school day.
- Students are engaged in learning.
- Students are empowered to take pride of ownership in their learning.

Resources:

Application(s) that provide an online learning environment.

- Google Classroom
- IXL
- Typing Club
- Pearson/Savvas
- Zoom
- Seesaw

Technology Goal#3: Teacher and Administration Staff Computing

Purpose:

The teacher needs include laptops and wireless access points throughout the building and smart board type technology use. HS classroom technology resources are used frequently during instruction. Although not necessary to

teach well, the intention is to provide HS families with the most up to date technological resources available so students will engage with the lessons and be able to compete with peers in the marketplace. The use of technology is one more means to close the achievement gap.

Resources:

- Laptops/Notebooks
- Monitors
- Dock Stations
- Document Cameras
- Smartboards and projectors

Technology Goal#4: Security

Purpose

IT security and facility security are an integral part of the HS technology plan. This ensures a safe learning environment for HS students.

Approach:

- Web filtering of all devices using the on-premises network security firewalls
- Web filtering and classroom management using chrome extensions on Chromebooks and iPads
- Manage and Maintain a secure Wi-Fi environment

Project Schedule

Description	Due Date	Status

Secure Estimates for Chromebooks		Completed
Place Chromebook Orders		In Progress
Secure Estimates for Staff Laptops		
Secure Estimates for Servers		
Place order for Staff Laptops and required software		
Identify additional software and applications		

Chrome Book Estimates

Resource	Qty	Unit Price	Extenden Price
Chrome Book	150	$275	$41,250
Google Management License	150	$35	$5,250
Charging/Mobility Carts for Chrome Books	3	$1,800	$5,400
Installation/Professional Services	1	$5,000	$5,000
Total			$56,900

Staff Laptops/Dock Stations/Monitors/Document Cameras Estimates

Item	Qty	Unit Price	Extenden Price
Hardware	15	$1,150	$17,250
Software	15	$60	$900
Docking Stations	10	$170	$1,700
Monitors	10	$170	$1,700
Doument Cameras	10	$700	$7,000
	Total		$18,150

Server Infrastructure Estimates

Item	Qty	Unit Price	Extenden Price
Server Hardware	2	$4,500	$9,000
Windows OS	2	$2,000	$4,000
Replication Software	2	$1,500	$3,000
	Total		$13,000