

# **FINANCE AND OPERATIONS**

## **5-Year Technology Plan**

### **January 22, 2024**

#### **Introduction**

The School District of Baraboo recognizes the critical role of technology in modern education. This comprehensive technology plan outlines strategies for updating and maintaining technology resources/assets, ensuring a safe and secure technology environment, and providing professional development opportunities for staff.

#### **I. Updating/Maintaining Technology Resources/Assets:**

##### **Objective 1: Regular Assessment and Inventory**

- Conduct an annual assessment of existing technology resources to identify outdated equipment and software.
- Maintain an updated inventory of all technology assets, including computers, servers, software licenses, and networking equipment.

##### **Objective 2: Refresh and Upgrade Cycles**

- Establish a regular refresh cycle for computers and devices to ensure they meet the evolving needs of students and staff.
- Prioritize upgrades for software applications and operating systems to enhance functionality and security.

##### **Objective 3: Infrastructure Improvement**

- Regularly assess and upgrade the district's network infrastructure to accommodate increasing demands for bandwidth and connectivity.
- Implement cloud-based solutions where applicable to streamline resource accessibility and reduce reliance on physical hardware.

##### **Objective 4: Budget Allocation for Technology**

- Develop a dedicated budget for technology maintenance and updates.
- Seek external funding opportunities and grants to supplement the district's technology budget.

Updated: 8/22/2024

Listed below are the following **Hardware Devices** that we support, upgrade and eventually replace. We have adequate budget for each of these areas

Type	Number	Replacement Cycle	Cost	Replacement Date	Future Cost
District Mobile Phones	56	2	\$11,200.00	July 2025	\$11,882.08
District Hotspots	6	2	\$2,550.00	July 2025	\$2,705.30
Admin Workstations	75	5	\$69,225.00	July 2029	\$80,250.75
Admin iPads	55	5	\$24,200.00	July 2029	\$28,054.43
Staff Workstations	265	5	\$265,000.00	July 2029	\$307,207.63
Staff iPads	316	5	\$139,040.00	July 2029	\$161,185.47
Student iPads	601	5	\$201,335.00	July 2029	\$233,402.45
Student lab Workstations	178	5	\$231,756.00	July 2029	\$268,668.72
MS/HS Commons AV	2	10	\$6,000.00	July 2029	\$8,063.50
Interactive Projectors	53	10	\$169,600.00	July 2031	\$227,928.22
Apple TV	104	7	\$13,000.00	July 2031	\$15,988.36
MS Gym AV	2	10	\$12,000.00	July 2031	\$16,127.00
Interactive LED Displays	141	10	\$310,200.00	July 2034	\$416,882.86
Clocks	400	As Needed	\$280,000.00	As Needed	\$280,000.00
Keyless Entry	96	As Needed	\$40,800.00	As Needed	\$40,800.00
Cameras	318	As Needed	\$222,600.00	As Needed	\$222,600.00
Chromebooks	2750	5	\$687,500.00	Cycled	\$797,000.93
<b>Totals</b>	<b>5418</b>		<b>\$2,686,006.00</b>		<b>\$3,118,747.70</b>

Updated: 8/22/2024

Listed below are the following **Network Devices** that we support, upgrade and replace.

<b>Type</b>	<b>Number</b>	<b>Replacement Cycle</b>	<b>Cost</b>	<b>Replacement Date</b>	<b>Future Cost</b>
Meraki Core Switch	2	5	\$9,468.36	July 2024	\$10,976.42
Meraki Firewall	2	5	\$8,605.44	July 2024	\$9,976.06
Meraki Switch (48 port)	77	5	\$172,809.56	July 2024	\$200,333.64
Meraki Wireless Access Points	244	5	\$73,456.20	July 2024	\$85,155.87
Meraki Licensing (7yrs)			\$85,045.76	July 2024	\$85,045.76
Liebert Power Supply	10	5	\$3,770.00	July 2025	\$4,370.46
ESX Storage Servers	2	7	\$51,712.77	July 2029	\$63,600.18
Exacqvision Camera Servers (130tb)	2	7	\$38,634.00	July 2029	\$47,514.95
<b>Total Devices</b>	<b>339</b>		<b>\$443,502.09</b>		<b>\$506,973.35</b>

Updated: 8/22/2024

Listed below are the following **Software/Web Services** that we support and/or upgrade.

<u>Type</u>	<u>Cycle</u>	<u>Cost</u>	<u>Description</u>
Google	1	\$2,400.00	Email and Learning Management
Infinite Campus	1	\$43,092.00	Student Information System
Skyward	1	\$5,081.00	Financial System
Filewave server	1	\$29,520.00	Mobile Device Management Software
Mosyle	1	\$11,365.00	Mac Management Software
LilSis	1	\$2,500.00	Google Classroom Syncing Software
CIPAFilter	1	\$7,672.00	In Line Web Filter
Raptor	1	\$2,700.00	Guest Management
Gaggle	1	\$13,680.00	Online Safety Management Software
goGuardian	1	\$24,912.00	Chromebook Management for Teachers
SMART Learning Suite	1	\$3,835.00	Interactive Lesson Creation Tool
Pear Deck	1	\$5,806.00	Interactive presentation and lesson delivery tool
Informacast	1	\$9,312.00	Mass notification system
VmWare	1	\$2,274.00	Virtualizing Servers
Infosec	1	\$3,245.00	Security and phishing awareness training
Thrillshare	1	\$20,500.00	Website Hosting Services
Ringcentral	1	45,600	District Telephone System
<b>Totals</b>		<b>\$187,894.00</b>	

## **II. Maintaining a Safe and Secure Environment:**

### **Objective 1: Cybersecurity Measures**

- Conduct regular cybersecurity training for staff and students to promote awareness and safe online practices.
- Implement robust cybersecurity measures, including firewalls, server and workstation hardening, antivirus software, and regular security audits.
  - Engage with external vendors for Penetration Testing and security scans
  - Implement SEIM system to detect and assist investigation of security breaches.(i.e Security Onion, Meraki)
  - Technology Department ongoing professional development opportunities to assist in supporting/understanding Cyber security risks.

### **Objective 2: Data Privacy Policies**

- Develop and enforce data privacy policies to protect sensitive information.
- Regularly update and communicate data privacy guidelines to staff, students, and parents.
  - Send annual information to staff on data privacy guidelines and expectations
  - Develop a protocol for evaluating data privacy stance for web services and other applications.
  - Maintain student web resources database

### **Objective 3: Emergency Preparedness**

- Develop and regularly update an emergency technology plan to address potential disruptions such as cyberattacks, system failures, or natural disasters.
- Establish protocols for data backup and recovery to minimize downtime in case of emergencies.
  - Maintain Cyber Incident response plan and revise as necessary.
  - Attend cybersecurity training sessions/tabletop

### **III. Providing Professional Development Opportunities for Staff:**

#### **Objective 1: Needs Assessment**

- Conduct a needs assessment to identify the specific technology skills and knowledge gaps among staff members.
- Use the assessment results to tailor professional development programs to meet the unique needs of different departments and roles.
  - Perform a Technology needs assessment
  - Develop plans based on the results

#### **Objective 2: Ongoing Training Programs**

- Implement regular professional development sessions focused on integrating technology into the curriculum.
- Provide advanced training opportunities for staff to stay abreast of emerging technologies and pedagogical practices.
  - Continue offering Technology related buffet options at the district wide buffets.
  - Continue exposing/sending district staff to external professional development opportunities through conferences and workshops.

#### **Objective 3: Mentorship and Peer Learning**

- Establish mentorship programs where experienced staff can support their peers in adopting and integrating technology.
- Encourage collaborative learning environments where staff can share best practices and innovative ideas.
  - Continue developing Google Trainer program at BSD
  - Create an online repository for technology related staff resources
  - Offer training programs, workshops, and resources that support professional development.

#### **Conclusion:**

The School District of Baraboo Technology Plan aims to create a dynamic and secure technology environment while empowering staff through continuous professional development. This plan is designed to adapt to the evolving landscape of educational technology, ensuring that the district remains at the forefront of innovation and educational excellence. Regular evaluation and adjustments will be made to align with emerging technologies and educational best practice.