

NORTHWEST ARCTIC BOROUGH SCHOOL DISTRICT
Atautchikun Iñuunialiptigun (Through Our Way of Life Together as One)

Providing A Learning Environment That Inspires and Challenges Students and Employees to Excel

TECHNOLOGY COMMITTEE

November 24, 2025



Agenda:

- Multi-Factor Authentication
- Technology Refresh Schedule
 - Upcoming Refreshes
 - Current Refreshes
- Educational Hardware Overview
- ACTION ITEM
 - Staff Student Apple iPad Refresh Purchase
- Questions



The District Information Technology (IT) Department has a responsibility to protect sensitive District data to include financial, employee, and student data, while allowing for a positive learning environment.

- Cybersecurity is a growing issue for everyone.
- The school district has worked to increase our security and safety throughout the years.
- Multi-factor authentication (MFA) has been applied to the district office and now certified staff.
- You likely already do this in your personal life when you log into your personal accounts like a bank account or credit card account.
- Board members are the leaders of the District and are prime targets for phishing and spoofing.
 - Multi-factor authentication must be applied to all Board member accounts
 - The District has fobs to ease this process
 - When?





Technology Refresh Schedule:

	Aug–Dec 2023	Jan–Jul 2024	Aug–Dec 2024	Jan–Jul 2025	Aug–Dec 2025	Jan–Jul 2026	Aug–Dec 2026	Jan–Jul 2027	Aug–Dec 2027
5-12 Laptops	6-12 Refresh 2020 (Intel); 5-8 Refresh 2023 (M1)		5-8 & 6-12 Fleets Merged			Refresh Intel MBA (450)			Refresh 5-12 Fleet/Cases 2028
SMARTBoards	Purchased 2014/2015; Warranty expired 6/30/20		10 Annually		5 Annually		5 Annually		5 Annually
Principal Laptop, Secretary/DO iMacs	Secretary and DO iMac Refresh 2023	Principal Refresh/Deploy Pro/Screen 2024							Refresh Fleet 2030
PK-4 iPads	Refresh Fleet 2021	Prepare for App Refresh	Refresh Apps			Refresh Fleet; Prepare for App Refresh	Refresh Apps		
Staff iPads	Fleet Purchased 8/2020					Refresh PK-4 Teacher Fleet			
Staff Laptops	Refresh Fleet 2021 (M1/Intel)								Refresh Fleet 2028
Computer Labs	ATC – partial update (5yr.)			ATC full update					ATC full update 2030
Network Infrastructure (Switches, Wireless)	402 Rack Replacement; Split OTZ Circuits Switches		C2 Install Wifi-6 APs in schools IAN, ORV, BKC, DRG; KVL Switch	C2 Install Wifi-6 APs in WLK, SHG, ABL, WTK; ATC, OTZ Switches	C2 Install Wifi-6 OBU, ATC Dorm, ORV; Apple Upgrade Caching Servers – IAN, ABL, SHG, DRG, OTZ, ORV, OBU, ATC, KVL, WLK	C2 Install Wifi-6 KMHS, BKC, IAN; Apple Upgrade Caching Servers – BKC, WTK	BKC L3 Switch		
Meraki Refresh	3yr. License Renewal 2023						License Renewal 9/29/2026		
Phone System	Partial Mitel Phone Refresh 2023			Research Phone Refresh/Migration		Purchase and Migrate to Upgraded Phone System			
VTC	RUS Award 2020; Complete install of RUS awarded Infrastructure		Update Polycom Camera Software						Deploy Refreshed Teams MPBs
Servers	Refresh SHG	Refresh WLK	Research Village Virtualization Servers	Purchase Pilot Servers; Plan Refresh	MS-A2 Servers – KVL, ATC, OBU, IAN (pilot)			DO Server Refresh 2027	
Windows Infrastructure	Windows 2019 Server Upgrade 2023								Windows Server Upgrade 2030



1. Upgrade phone system

a. Currently Mitel Voice-over-IP (VOIP)

- a. This requires landlines coming into the schools, a switch to convert call to an internet call
- b. Unable to install security updates
- c. New NWABSD servers enforce code-signing to ensure only verified, trusted software can operate – Mitel is not compatible
- d. Mitel encouraged moving to their cloud-hosted Ring-Central system
 - a. Additional costs for standalone subscriptions and support
 - b. Separate portal and configuration – increased administrative oversight and training

b. Teams Phone System



- a. Integrated with Microsoft security, identity, and compliance
- b. Native to currently used Microsoft 365 system
- c. Users will have an easier time adopting and adapting since it is part of the same Teams platform that is currently used for chat, meetings, calls, and collaboration
- d. Cost efficiency by leveraging existing Microsoft licensing and infrastructure
- e. Can use desk phone or Teams app on any device
- f. Future proof aligned to existing Microsoft District strategy
- g. Allows principals and teachers to text/sms parents without the use of personal devices



Educational Technology Hardware Overview

Classroom Educational Hardware:

1. SMARTBoard – interactive display
2. Sound System – connected to SMARTBoard and Teacher Mic
3. Apple TVs – installed at some schools - connect to SMARTBoard

School Educational Hardware:

1. Workstation – iMac for Staff near the main office/secretary
2. SMARTBoard on Rolling Cart – portable
3. Teams Laptop – 16” MacBook Pro
4. Food Service Laptop
5. SubTeacher Laptop



Educational Technology Hardware Overview

Student Hardware:

1. iPads – Pre-K through 3rd Grade
2. iPads with Keyboards – 4th Grade
3. 13" MacBook Air – 5-12th Grade

Staff Hardware:

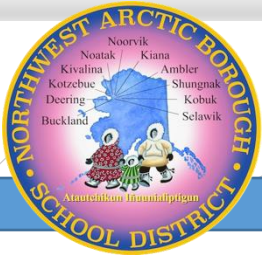
1. 13" MacBook Air – Inupiaq Instructors, Counselors, Teachers, other unspecified as identified
2. 14" MacBook Pro – Administrators
3. iPads with Keyboards – Educational/instructional staff
4. Display/Monitors – Principals, other unspecified as identified
5. iMacs – District Office staff as needed, secretaries



Proposed Purchase

Vendor	INTENT	Part Number	Item	Number	Unit Cost	Total
APPLE Single-Source	Student iPad	MD6L4LL/A	iPad Wi-Fi 128GB - Silver (Packaged in a 10-pack)	900	\$ 324.00	\$ 291,600.00
	Staff iPad	MCDY4LL/A	11-inch iPad Air Wi-Fi 128GB - Space Gray (Packaged in a 10-pack)	250	\$ 539.00	\$ 134,750.00
					Subtotal	\$ 426,350.00
INTELLITECH (Lowest Cost from Comparison)	PK Case		Otterbox iPad (A16) and iPad (10th gen) Tablet Case with Screen Protector - Kids EasyGrab	95	\$ 39.00	\$ 3,705.00
	K-2 Case	BV672LL/A	Brenthaven 360 for iPad (A16)	460	\$ 35.00	\$ 16,100.00
	3-4th Case	HQ6P2ZM/A	Logitech Rugged Combo 4 Touch Case with Integrated Smart Connector Keyboard for iPad (A16) – Blue	310	\$ 96.00	\$ 29,760.00
	Staff Case	HRH12ZM/A	Logitech Combo Touch Keyboard Case for iPad Air 11-inch (M3 and M2)	250	\$ 175.00	\$ 43,750.00
			Shipping			\$ 5,300.00
						Subtotal
			Full iPad Refresh Costs - Technology Capital Funds \$ 524,965.00			

- Educational staff will get the refreshed iPad Air that has more room on the hard drive, capable of higher processing speeds, allows staff to run more applications at one time, and leverage Apple Intelligence tools which would save time weekly.
- Students will get refreshed iPads with updated capabilities.



Questions?

