

## MEMORANDUM

**TO:** NWABSD Board of Education  
Members

**DATE:** January 23, 2024

**NUMBER:** Worksession Item #I. e.

**FR:** Office of the Superintendent

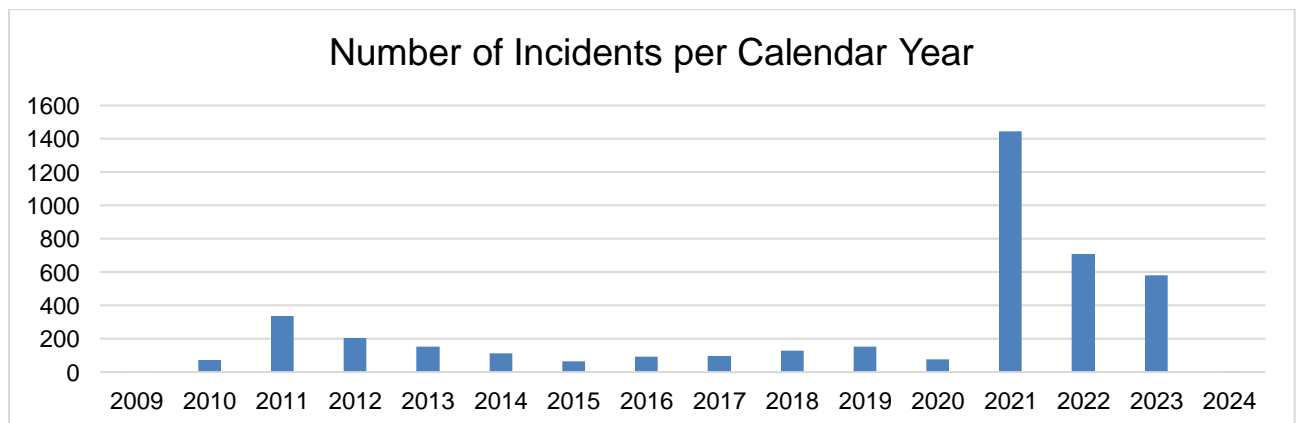
**SUBJECT:** a.) Technology  
Report

Amy Eakin, Director of Technology, reports on the following:

### **Track 1: Operational Improvements**

#### ***Initiative: Optimize Business Practices***

1. NWABSD Website & Social Media (Facebook via Hootsuite)
  - a. Website
    - i. Communicate for broadcasting announcements and emergencies:
      1. Text Opt-in for Broadcasts
        - a. 502 opted in
        - b. 1801 still pending
        - c. 7 opted out
        - d. Continue to advertise for people to manually opt-in by texting "Y" to 67587
2. Emergency Connectivity - Student/Staff Home Internet Update:
  - a. The District is expending all allocated funding through February 2024.
  - b. The District was notified on 9/11/23 that the application for Window 1 had been approved.
  - c. The Window 3 revision was approved by the FCC (Federal Communications Commission).
3. Student Device Data
  - a. Fees/Incidents Overall

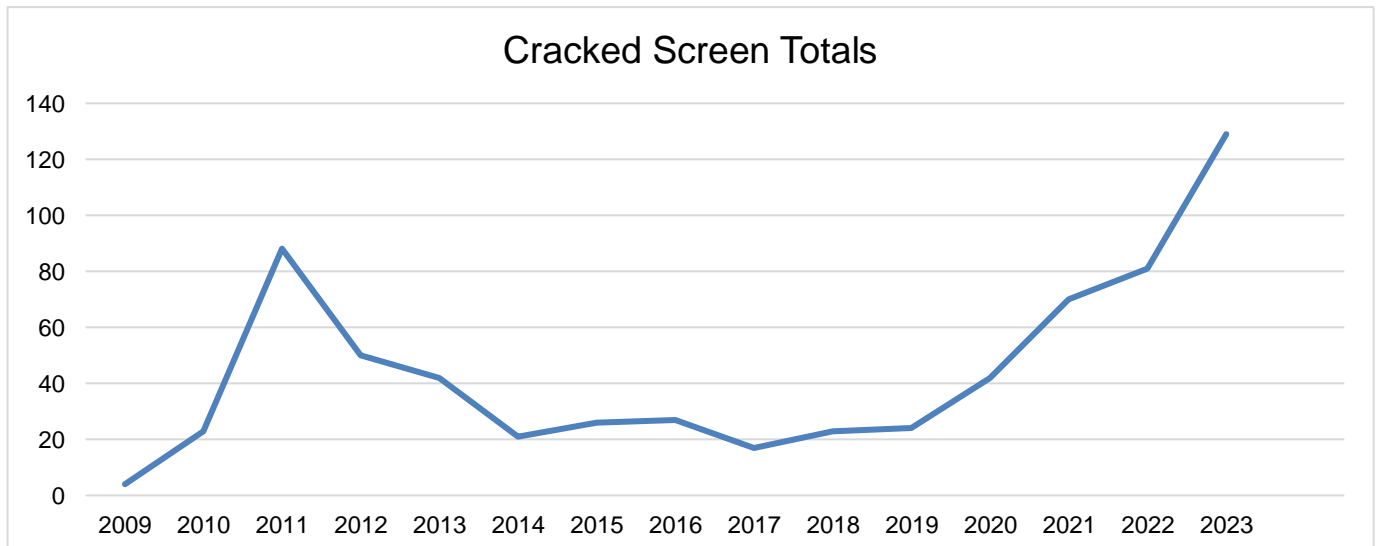


- b. There was a significant increase in incidents during the pandemic when all devices were going home
- c. Chargers are no longer one incident. A charger is now broken down by cable and power adapter. Chargers are a significant loss and cost.
- d. All fees were forgiven during the pandemic from 2009 to June 30, 2021. Fees resumed to accumulate in the fall of 2021.
- e. Many fee accruals were entered in 2021 even though they occurred prior. There was little tracking due to items being home for extended periods throughout the pandemic.

f. Cracked Screen Data:

- i. All students that graduate, transfer, or drop-out become *GRADUATED/INACT* so data is missing by school for many past students. It is accounted for as totals in the *GRADUATED/INACT* row.
- ii. There has been a sharp increase in cracked screens among high school students who take laptops home
  1. All student laptops have cases
  2. Some students attempt to remove cases and insert stickers/papers, and break the screen
  3. Some break screens by closing pencils, etc., between the screen and keyboard
  4. The current MacBook Air screens are of higher resolution/quality but have less forgiveness
  5. The Technology Department replaces screens in-house (screens cost roughly \$180 for parts plus labor to replace)

Site	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
AMBLER	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4
BUCKLAND	0	0	0	0	0	0	0	0	0	0	0	1	8	2	8
DEERING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
HOMESCHOOL	0	0	0	0	0	0	0	0	1	0	1	1	1	3	6
JNES	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1
KIANA	0	0	0	0	0	0	0	0	0	0	0	2	1	1	6
KIVALINA	0	0	0	0	0	0	0	1	0	0	0	1	7	5	7
KMHS	0	0	0	0	0	0	0	0	0	0	0	0	10	13	39
KOBUK	0	0	0	0	0	0	0	0	0	0	0	2	2	0	1
NOATAK	0	0	0	0	0	0	0	0	0	1	3	2	2	3	9
NOORVIK	0	0	0	0	0	0	0	0	0	0	0	8	9	9	13
SELAWIK	0	0	0	0	0	0	0	0	1	1	0	5	5	9	12
SHUNGNAC	0	0	0	0	0	0	0	0	0	0	0	0	2	2	7
GRADUATED/INACT	4	23	88	50	42	21	26	26	15	21	20	17	21	33	12
TOTALS	4	23	88	50	42	21	26	27	17	23	24	42	70	81	129



4. Digital Citizenship Spirit Week
  - a. October 16<sup>th</sup> through October 20<sup>th</sup>
  - b. Communication:
    - i. K-OTZ radio announcements
    - ii. Physical flyers hung around schools & villages
    - iii. Banners on all NWABSD website homepages
    - iv. Social Media posts from each NWABSD Facebook account
      1. Initial advertising
      2. Posts for each daily theme during the week
  - c. Results:
    - i. Individual Staff Winners
      1. Kayla Pietila, WTK
      2. Marlene Centino, STAR Dorm
      3. Rudy Lin Castro, KVL
      4. Dondee Valiente, BKC
      5. Mary Palma, ABL
      6. Matthew Cooper, STAR Dorm
      7. Chelsie Morrison-Heath, OBU
      8. Samuel Gavin, DRG
      9. Clara Cleveland, ABL
      10. Cheryl Abejuela, SHG
    - ii. School Winner → Deering
      1. Almost 100% staff & student daily participation
      2. Optional lessons completed for every grade level
      3. Parent Tips matching each daily theme as VHF announcements
      4. Family information sheets sent home for each daily theme
      5. 2 community engagement nights held
        - a. One to watch and discuss videos from *CommonSense Media* followed by potluck
        - b. One “tech-free” community night with cultural activities potluck of traditional foods with elders
      6. Student Participation Incentive
        - a. Students who participated each day and had good behavior/grades were allowed into a “Glow in the Dark Dodgeball” night hosted by school staff





**STOP**  
cyberbullying



**Family Game Night**

**Wednesday, October 18, 2023**

**6:30pm-7:45pm**



Communication, Relationships, & cyberbullying



**UNITY DAY!** Wear **orange** to represent standing up against cyberbullying!

2<sup>nd</sup> grade on down must have an adult present, this event is all voluntary.

BE KIND,  
EVEN ON  
YOUR  
BAD DAYS.







	Jan-Jul 2022	Aug-Dec 2022	Jan-Jul 2023	Aug-Dec 2023	Jan-Jul 2024	Aug-Dec 2024
<b>High School Laptops</b>	Refresh 2020					Refresh Fleet 2025
<b>5-8 School Laptops</b>	Refresh Fleet S2018 Purchase Cases		Refresh Fleet 2023			
<b>SMARTBoards</b>	Purchased 2014/2015; Warranty expired 6/30/20	10 Annually		10 Annually		10 Annually
<b>Secretary, Principal, DO iMacs</b>	Principals – purchased 8/2017; Secretary and DO iMac Refresh		Principal iMac Refresh	Complete DO iMac Refresh		
<b>K-4 iPads (PK-4)</b>	Refresh Fleet 2021; Refresh Apps				Refresh Apps 2024	Refresh Fleet 2026
<b>Staff iPads</b>	Fleet Purchased 8/2020					Refresh Fleet 2025
<b>Staff Laptops</b>	Refresh Fleet 2021					Refresh Fleet 2026
<b>Computer Labs</b>	ATC – partial update (5yr.)		ATC – partial update (5yr.)		ATC – partial update (5yr.)	
<b>Network Infrastructure (Switches, Wireless)</b>			402 Rack Replacement	Split OTZ Circuits Switches	C2 Install Wifi-6 APs in schools WLK, IAN, ORV	C2 Install Wifi-6 APs in schools BKC, DRG, OTZ
<b>Meraki Refresh</b>		License Renewal				License Renewal
<b>Mitel Phone System</b>		Partial Phone Refresh				
<b>VTC</b>	RUS Award 2020; Complete install of RUS awarded Infrastructure			RUS; Refresh Polycom 2023		
<b>Servers</b>	Refresh ABL/WTk/ORV	Refresh SHG	Refresh WLK			DO Server refresh 2027
<b>Windows Infrastructure</b>			Windows 2019 Server Upgrade			

Additional work completed:  
September 15, 2023 – January 9, 2024

- Facilitated districtwide staff changes by creating accounts for new hires and transfers, including setting up Active Directory (AD), email, Microsoft licensing, and Teams policies. Additionally, prepared technology assets for the staff members for the new school year. Including a large influx of 20 teachers during December and early January.

- Facilitated districtwide student changes by creating accounts for new students and transfers, including setting up Active Directory (AD), email, Microsoft licensing, and Teams student policies. Additionally, prepared technology assets for the student.
- Successfully deployed DRC Assessment Proxy Servers to all sites.
- Successfully deployed and configured DRC Assessment clients to all staff and student computers.
- Provided support to ATC Job Center project. This project requires a VLAN and VPN back to the state.
- Provided support to ATC Pearson Vue testing center. They now require a separate VLAN for the server and clients.
- Prepared (removed assets, removed from JAMF, and removed from Apple School Manager (ASM), remove asset tags) and shipped over a thousand older Apple assets to vendor to sell back.

