



SCHOOL DISTRICT 81 – FORT NELSON
3 YEAR TECHNOLOGY PLAN: 2021 – 2024



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INTRODUCTION

The technology plan aims to provide an overview of the current and future operational and educational needs in the provision, maintenance and use of technology in School District 81. This 3-year plan is a living document, designed to be flexible to ensure it can grow and adapt continuously in response to changes in best practice and organizational need. At its core, the plan is founded on the understanding that in our educational context, technology is a tool to enhance and amplify teaching and learning. As such, the Fort Nelson School District is committed to ensuring the adoption and implementation of technology will always be in service to broader district goals.

The SD81 vision statement is, "As a community of learners we embrace opportunities to build successful futures." We believe that technology, when carefully selected and thoughtfully implemented, can be an effective tool in supporting meaningful inclusion and improved student outcomes.

Technology in SD81 is used both as assistive tools and for inquiry-based learning. When provided tools and inclusive supports, we have seen the success that students are having with self-determination and independence in their learning. We believe that fostering connection to school by engaging students in their learning, and enhancing involvement, choice and personal attachment will lead to student academic success and a greater sense of belonging and self-worth.

Furthermore, our students need to be prepared and empowered to contribute their personal best as tomorrow's leaders. Supporting the development of lifelong learning attributes, skills and abilities are key to future preparedness and success. These ideals are all supported through the implementation of the SD81 Technology plan by encouraging our students to be risk takers, problem solvers, and innovators.

"To provide and support technology resources that enhance learner-centered instructional environments; and to assist educators and learners in attaining the skills needed to work and learn in an increasingly connected digital society."

Tech Committee Mission Statement



BACKGROUND (PRIOR WORK)

Over the past four years, our existing Technology Plan (2017) resulted in the completion of the following projects:

- Acquisition of 400+ Chromebooks to provide 1:1 at FNSS and RLA
- Acquisition of 120+ iPads for use at all school sites
- Acquisition of 55 HP Laptops for staff use
- Migration from First Class to Microsoft 365 for email, calendar, and file sharing
- Migration from L4U Library Software to Insignia
- Migration from excel spreadsheets to AssetTiger for asset management and tracking
- Installation of security infrastructure at FNSS, RLA, JSC, and GWC
- Upgrade to network wiring at RL Angus
- Upgrade to latest generation Palo Alto firewalls, with enhanced security rules
- Protection from online threats with always on GlobalProtect
- Upgrades and improvements to networking hardware and servers at FNSS and SBO
- Mounted projectors in 85% of classroom
- Refreshed district website with a new, more modern look
- Professional development training opportunities for district and school staff



TECHNOLOGY SUPPORTING LEARNING

CHROMEBOOKS

Over the past four years, teachers and students at RLA and FNSS have seen the benefits of moving to a 1:1 model with Chromebook. With increased access to technology, along with ongoing training and professional development, teachers have embraced the opportunity to access online resources, create interesting and engaging lessons, and teach important skills in the areas of technology that are critical for student success in the modern world.

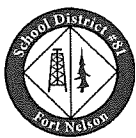
Chromebooks, along with Goggle's G-Suite, including Google Classroom and Google Docs, proved to be a valuable resource during the pandemic. Our subscription to Google Read / Write provides additional learning supports for all students. This tool can read text out loud on any website or translate speech to text to those who need additional literacy support when sharing their ideas. It also assists with taking notes for more senior students.

At FNSS, students are permitted to take their Chromebook's home to complete homework. This model, which is rare in BC, ensures that all students have equal access to equipment that will help them achieve success. Our ongoing use of GoGuardian ensures that students are only access content that is appropriate and educational whether at school, or at home. Despite some initial concerns, we have had less than 2% of our devices lost or not returned.

With all the successes we have had there have been a few challenges. The most notable has been the high rate of failure of the EduGear devices at FNSS, with over 100 devices no longer functioning, primarily due to battery failure. We have also had to replace chargers, hinges, and other internal parts to keep them functioning this last year. This is compared to the HP Chromebook we have at RLA which have had a failure rate of only 2 devices over the last three year. We plan on replacing the entire FNSS inventory of devices in the summer of 2021 with HP Chromebooks.

Despite over 80% of students indicating they enjoy the privilege of having a Chromebook assigned to them at FNSS, there is a small minority of students who would prefer not to have the responsibility of looking after a Chromebook. These students often show up to class without their device, causing them additional workload on teachers and missed learning by students. After discussion with staff and students, we plan to place "Tech Tubs" in each class that house 6 devices that remain permanently in the classroom. Students who choose not to sign-out a Chromebook at the beginning of the year will still be provided with the tools required to complete their assignments at school, but will not have home access. Many students have indicated they already have a personal device at home they can use.

Chromebooks have a useful life expectancy of 6.5 years and will stop receiving updates from Google after this time. In order to be flexible with our purchases, we plan to purchase new devices every 3 years, replacing half the schools' devices at a time.



IPADS

At the primary level iPads have become a valuable tool for educators. The ease of use and familiarity of iPads make them well suited for K-4 students.

We plan to extend the 1:1 ratio by providing each classroom at GWC and JSC with a set of iPads. This will provide teachers with an “always available” tool to assist with achieving educational outcomes. There are a variety of educational apps that we already subscribe to (Reading Eggs, Raz-Kids, Mathletics) along with other free apps (EPIC) that support the district's goal of increasing the percentage of students meeting and exceeding in reading and math by the end of grade 4.

FNSS / RLA / TOAD iPads will be replaced on a 6-year replacement cycle.

GWC and JSC iPads will be replaced on a 3-year cycle like the Chromebooks at FNSS / RLA.

The acquisition of these devices will make Fort Nelson a 1:1 District, which we can promote to prospective staff and students alike.

COMPUTER LABS

With the introduction of 1:1 classroom, computer labs are becoming an outdated model at the primary and elementary level. This year we removed the computer lab at RLA and were able to use the funds recovered from the sale of the devices to reinvest in new technologies. Once 1:1 is available at GWC and JSC, along with a cart of Chromebook at each school, there will no longer be a need for computer labs at these sites. This change will be made in consultation with the teaching staff at each site.

FNSS will still retain its one computer lab for teaching Information Technology, Robotics, and other upper-level courses that require hardware and software beyond what Chromebooks and iPads can provide. This lab will continue to be replaced on a 6-year cycle.

Technology Supporting Learning - Recommendations

1. Purchase a new set of Chromebooks for FNSS to replace failing device. (2021)
2. Purchase a new set of Chromebooks for Toad River to replace aging Mac devices. (2021)
3. Purchase 15 “Tech Tubs” to be placed in each FNSS classroom to store extra devices that students can use who choose not to sign-out a Chromebook. (2021)



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4. Move a set of extra Chromebooks to JSC / GWC and purchase a cart to store them in. (2022)
 5. Purchase an additional set of iPads for GWC and JSC, along with storage cart (2021)
 6. Purchase new iPads for all school sites and move older devices to JSC and GWC to complete their transition to fully 1:1 school. Additional carts will also need to be purchased. (2022)
 7. Purchase a new set of Chromebooks for RLA. Old RLA devices will be moved to other schools as required. (2022).
 8. Remove the computer lab at GWC and JSC (2022). This space can be used in new and creative ways by staff and students.



TECHNOLOGY SUPPORTING STAFF

TEACHER LAPTOPS

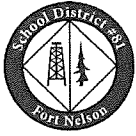
In 2018, all teaching staff in SD 81 were provided with new HP laptops. Over 50 devices were purchased and distributed to those who requested them. Many teachers have chosen to use their personal device alongside the district provided device. We have received mostly positive feedback from teaching staff (although many still prefer Apple's hardware and OS). These devices support the work that teachers do online, including accessing work emails, using G-Suite, accessing educational resources, working in MyEd, and a wide variety of work-related tasks. The computers have held up well with only a few experiencing minor failures that we could fix in house. These devices are on a six-year replacement cycle and we plan to update them in the summer of 2024.

NON-TEACHING STAFF WORKSTATIONS

These computers include those used by admin assistants, school librarians, and board office staff. We have completed required maintenance and upgrades to ensure they remain in working condition and have provided second monitors to improve productivity. Currently, all non-teaching staff workstations are replaced on a need-to-replace basis. We want to shift the purchase cycle of these devices to align with the purchase of the FNSS Lab so we can leverage better pricing from vendors. These devices will be replaced in 2024.

Technology Supporting Staff - Recommendations

1. Purchase new laptops for all teaching staff. Older laptops will be made available for EAs and other staff who wish to use a district device for work purposes. (2024)
2. Purchase new workstations for non-teaching staff. These devices will be moved to coincide with the purchase of the FNSS Computer Lab. (2024)



INFRASTRUCTURE

Information Technology infrastructure refers to the hardware, software, network resources and services, and understandings required for the effective and appropriate access, operation, and management of the district's IT environment.

Over the past five years significant investments have been made into our district's infrastructure:

- All sites (except Toad) have been rewired using industry standard Cat 6 ethernet cabling
- All networking switches are managed and make use of VLANs to increase security and performance
- All servers have been virtualized with ESXI to reduce the need for additional on-site servers and improve backup and disaster recovery procedures
- All network devices, servers and end-user workstations have backup power to provide at least 15 minutes of work time during an outage
- All teaching spaces have a projector, and most have a document camera
- New Richo Photocopier lease with colour devices for all sites
- Continuous 1-minute monitoring provides almost instant notification of network trouble spots

Servers

With the continued trend towards Software as a Service (SaS) in the cloud, the reliance on district own servers is decreasing. Over the next 3 years, we plan to continue this move transition away from self-hosting when it makes sense to do so. A limited number of servers will still be required on-site such as our security camera software, BlueIris.

Networking Switches

Our networking hardware at all sites remains in good working order and is currently mid-cycle. We have had only 1 failed device in the last five years due to a power bump. Replacement will be considered over the next few years as we want it to integrate with our wireless infrastructure, so we have a single point of management.



Wifi

Our wireless infrastructure is also in good condition but is on a costly agreement with Meraki. If we do not renew, our Wi-Fi does not function. We explored alternative vendors in the summer of 2020 but decided to wait an additional year to see more Wi-Fi 6 devices come to market. Wi-Fi 6 is the latest standard in wireless infrastructure and will ensure that we are future ready for the next 5-7 years. We plan to make a final decision on a new vendor in June of 2021 and install new hardware over the summer months.

Projectors

Projects have now been mounted in the majority of classroom across the district. There are just a few classrooms at GWC that are difficult due to the lack of a drop ceiling. Working with maintenance we hope to have these mounted over the summer. FNSS projectors are starting to show their age at 10 years old and should be replaced with new devices capable of HDMI input. This would eliminate the need of teachers requiring speakers in their classroom.

Infrastructure – Recommendations

1. Purchase Wi-Fi 6 access points to replace current Meraki devices. (2021)
2. Purchase network switches to replace current D-Link devices. (2022-2023)
3. Investigate new network cabling at Toad River School. (2021)
4. Continue to transition away from on-site hosted applications and move towards cloud-based applications when it is deemed secure, appropriate, and economical.
5. Purchase new projects for FNSS to replace VGA only projectors. (2021)
6. Mount projectors in all teaching classrooms across the district. (2021)



BUILDING TEACHER CAPACITY

Technology is one of many tools that a teacher has in their tool kit of instruction. There needs to be ongoing, relevant, and accessible professional development opportunities for educators to understand and use the technology as an effective tool to amplify learning, and help teachers increase their confidence in using digital resources. We are very fortunate in SD 81 to have many teachers who embrace technology in their classroom and find new and creative ways to inspire their students to reach their full potential.

As we continue to incorporate more technology into the classroom with 1:1 devices, we want to ensure educators feel they have the skill and knowledge to be successful leaders. Over the next few years we hope to accomplish this by:

- Informing staff of internal and external learning opportunities
 - ERAC, SET-BC, CUEBC, and EdTech Canada host various in person and online workshops and conferences throughout the school year
 - MyEd, GSuite, Read & Write, and Microsoft offers offer free webinars
- Host bi-weekly workshops that can be attended in person or virtually on a variety of topics. Recordings of these sessions will be posted online for viewing at anytime
- Create a dedicated page on the website that has relevant and up-to-date resources and professional learning tools
- Offer co-teaching opportunities to those who are still developing their skills with technology
- Produce a monthly newsletter for staff highlighting new tech ideas for the classroom
- Create an onboarding training module required of all new staff that covers basics such as Outlook, MyEd (for teachers), and Powerschool.

Building Teacher Capacity – Recommendations

1. Continue to support professional development of all district staff in technology.
2. Create and implement a technology training module for all new staff



COMMUNICATION

The way we share information with stakeholders has undergone a substantial transformation over the last 20 years. Paper letters and phone calls have now been replaced with PDF emails and Facebook posts. With information overload it is increasing difficult to ensure that important messages are being received.

Currently, staff use a variety of methods to communicate in our district: phone calls, emails, letters home, text messages, and Facebook and website posts. With some many methods of communicating, ensuring that the message gets out can be a very time-consuming process.

SchoolMessenger

SchoolMessenger is a product that we hope to subscribe to in the fall of 2021 to reduce the demands on district staff when it comes to communicating with the public. This product allows messages to be sent via any platform, to any group of parents or students, with only a few clicks of a mouse. SchoolMessenger can be used to communicate routine messages and reminders, to more urgent events such as bus cancelations or school threats. More than 43 districts in the province already subscribe to the service and have been very satisfied with the product.

Social Media

More and more, parents and the public are reading school communications on social media sites such as Facebook, rather than through traditional sources like paper letters home, or email. It is important that we think critically about our online presence and how we want to manage these tools. They can be a great way to share news and successes in the district, but we want to ensure we are respecting the privacy of our staff and students and avoid any negative exposure.

District Website

Our District Website is the first-place parents and staff go when searching for information about the district. The site averages about 1500 views per month. The district site has recently been refreshed to include a more modern look, and better responsiveness on mobile devices. Individual school sites exist but are not updated on a regular basis due to time restraints and lack of training for staff. It is worth exploring what we want our web presence to be moving forward, and who will actively maintain it.



Communication – Recommendations

1. Purchase a subscription to SchoolMessenger to simplify and consolidate communications between the District, guardians, and students. (2021)
2. Explore the cost of outsourcing website development and maintenance to an external vendor. (2022)
3. Develop a strategic plan for our online presence. (2022)



ACKNOWLEDGEMENTS

A huge thank you to the following members of the District Technology Committee and other district staff for their feedback, suggestions, and additions to this plan:

William DesRoches-Fenton, District Technician

Kerri Larson, Teacher – FNSS

Lori Gilbert – Teacher – RLA

Alexsia Dekaneas – Teacher – RLA

Merideth Power – Teacher – GWC

Lori Woodworth – Teacher – JSC

Margaret-Anne Hall – Secretary Treasurer

Diana Samchuck – Superintendent

Appendix A - Proposed Budget 2021 - 2027

	Year 1 - Summer of 2021	Year 2 - Summer of 2022	Year 3 - Summer of 2023	Year 4 - Summer of 2024	Year 5 - Summer of 2025	Year 6 - Summer of 2026	Year 7 - Summer of 2027
Loan 1 3 - Year 8-83-51134-6	\$54,619.36 INCLUDED IN LEASE: Chromebooks (260) - \$104,000 FNSS Projectors (13) - \$10,000 iPads (50) - \$23,750 June Payment of old loan - \$7619.36	\$47,000.00 Year 2 of 3	\$47,000.00 Year 3 of 3	\$45,000.00 INCLUDED IN LEASE: Chromebooks (125) - \$50,000 PC Desktops (42) \$42,000 PC Laptops (40) \$40,000	\$45,000.00	\$45,000.00	\$33,750.00 INCLUDED IN LEASE: Chromebooks (125) - \$50,000 iPads (115) - \$54,150
Loan 2 3 - Year 8-83-51112-6	\$28,200.00 Year 4 of 4	\$35,014.33 INCLUDED IN LEASE PAYMENT: Chromebooks (110) - \$44,000 iPads (115) - \$54,150 District Server - \$3,500 June Payment of old loan - \$1014.33	\$34,000.00 Year 2 of 3	\$34,000.00 Year 3 of 3	\$26,000.00 INCLUDED IN LEASE PAYMENT: Chromebooks (70) - \$28,000 iPads (100) - \$47,500	\$26,000.00	\$26,000.00
Lease Total	\$82,819.36	\$82,014.33	\$81,000.00	\$79,000.00	\$71,000.00	\$71,000.00	\$59,750.00
Capital							
	Tech Tub (15) - \$3,000 Chromebooks Cart (2) - \$3,200 Mount GVC Projectors - \$1,500	\$6,400.00 iPad Cart (2) - \$3200 Chromebooks Cart (2) - \$3200					
Licensing (Yearly) 1-02-31300-6	\$14,000.00 GoGaurdian - \$6300 Read/Write - \$1400 Cloudready - \$3000 SchoolMessenger - \$2300 Misc - \$1000	\$14,500.00 Microsoft - \$4300 GoGaurdian - \$6300 Read/Write - \$1400 SchoolMessenger - \$1500 Misc - \$1000	\$14,800.00 Microsoft - \$4600 GoGaurdian - \$6300 Read/Write - \$1500 SchoolMessenger - \$1500 Misc - \$1000	\$15,400.00 Microsoft - \$5000 GoGaurdian - \$6300 Read/Write - \$1500 SchoolMessenger - \$1600 Misc - \$1000	\$15,600.00 Microsoft - \$5200 GoGaurdian - \$6300 Read/Write - \$1500 SchoolMessenger - \$1600 Misc - \$1000	\$15,800.00 Microsoft - \$5200 GoGaurdian - \$6300 Read/Write - \$1600 SchoolMessenger - \$1700 Misc - \$1000	\$16,000.00 Microsoft - \$5400 GoGaurdian - \$6300 Read/Write - \$1600 SchoolMessenger - \$1700 Misc - \$1000
Library Software 1-07-31300-6	\$2,800.00 Insignia	\$2,800.00 Insignia	\$3,000.00 Insignia	\$3,000.00 Insignia	\$3,000.00 Insignia	\$3,000.00 Insignia	\$3,000.00 Insignia
Replacement Computers	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
Replacement Equipment	\$5,000.00 Wi-Fi Upgrade	\$3,000.00 Network Switches	\$3,000.00 Network Switches	\$3,000.00	\$3,000.00 Wi-Fi Upgrade	\$3,000.00	\$3,000.00
New Equipment 8-83-51110-6	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
Supplies	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
Repairs 1-02-51000-6	\$2,000.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
Software 1-02-32400-6	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
Operating Total	\$29,000.00	\$27,000.00	\$27,300.00	\$27,900.00	\$28,100.00	\$28,300.00	\$28,500.00
Total Budget Expenses	\$122,319.36	\$118,214.33	\$111,300.00	\$109,900.00	\$102,100.00	\$102,300.00	\$91,250.00

Appendix B - Technology Department Budget History 2017 - 2021

Account	Description	20-21 Budget	20-21 Actual	19-20 Budget	19-20 Actual	18-19 Budget	18-19 Actual	17-18 Budget	17-18 Actual
OP 1-02-31300-6	Contracted Services	\$ 15,500.00	\$ 12,955.08	\$ 8,000.00	\$ 12,405.78	\$ 22,000.00	\$ 22,151.35	\$ 17,500.00	\$ 18,402.19
OP 1-02-32400-6	Computer Maintenance	\$ 1,500.00	\$ 3,117.85	\$ 1,000.00	\$ 3,140.64	\$ 1,500.00	\$ 854.35	\$ 2,736.52	\$ 1,500.00
OP 1-02-51000-6	Supplies	\$ 2,500.00	\$ 2,750.30	\$ 2,500.00	\$ 2,353.24	\$ 2,000.00	\$ 2,302.38	\$ 2,000.00	\$ 1,068.14
OP 1-07-31300-6	Library Software (Insignia)	\$ 3,000.00	\$ 2,730.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OP 8-83-51110-6	New Equipment	\$ 3,000.00	\$ 2,641.60	\$ 3,000.00	\$ 1,938.76	\$ -	\$ 5,290.79	\$ 3,000.00	\$ 2,000.88
OP 8-83-51111-6	Computers	\$ -	\$ 18,097.64	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OP 8-83-51112-6	MFA Loan #3	\$ 28,200.00	\$ 18,800.00	\$ 28,200.00	\$ 28,200.00	\$ 25,850.00	\$ 25,850.00	\$ -	\$ -
OP 8-83-51130-6	Replacement Equipment	\$ 6,000.00	\$ 2,724.48	\$ 4,000.00	\$ 1,388.98	\$ 4,000.00	\$ 5,578.05	\$ 4,000.00	\$ 3,504.68
OP 8-83-51131-6	Replacement Computers	\$ 3,000.00	\$ -	\$ 6,000.00	\$ 6,186.68	\$ 6,000.00	\$?	\$ 6,000.00	\$?
OP 8-83-51133-6	Software Replacement	\$ 1,000.00	\$ 1,058.49	\$ 1,500.00	\$ 1,151.41	\$ 2,000.00	\$ 2,218.19	\$ 2,000.00	\$ 921.29
OP 8-83-51132-6	MFA Loan #1	\$ -	\$ -	\$ -	\$ -	\$ 6,461.00	\$ 6,461.27	\$ 25,449.00	\$ 25,449.00
OP 8-83-51134-6	MFA Loan #2	\$ 51,088.00	\$ 34,058.72	\$ 51,088.00	\$ 51,088.00	\$ 51,088.00	\$ 51,088.00	\$ 46,831.00	\$ 46,830.74
		\$ 114,788.00	\$ 98,934.16	\$ 105,288.00	\$ 107,853.49	\$ 120,899.00	\$ 121,794.38	\$ 109,516.52	\$ 99,676.92
OP 0-00-64900	Miscellaneous Revenue	\$ -	\$ 15,000.09	\$ -	\$ 3,170.03	\$ -	\$ 11,430.00		

* As of March 13, 2021

Appendix C - District Technology Inventory

Site	Category	Item	Brand	Model	Quantity	Purchase Year	Age	EOS	Extended
TOAD	Network	Firewall	Palo Alto	PA-220	1	2019	2	6	6
TOAD	Network	Switch	D-Link	DGS-1100-05	1	2016	5	6	8
TOAD	Network	Switch	D-Link	DGS-1100-08P	1	2016	5	6	8
TOAD	Network	Switch	D-Link	DGS-3620-28TC	1	2016	5	6	8
TOAD	Network	UPS	APC	Back-UPS ES350	1	2008	13	10	15
TOAD	Network	UPS	APC	Back-UPS ES650	1	2007	14	10	15
TOAD	Network	Wireless	Meraki	MR-18	1	2014	7	5	7
TOAD	Network	Wireless	Meraki	MR-32	1	2017	4	5	7
TOAD	Room	Projector	Epson	Powerlite 98H	1	2017	4	10	15
TOAD	Student	Desktop	Apple	iMac - Early 2013	4	2013	8	6	8
TOAD	Student	Desktop	Apple	iMac - Late 2011	1	2011	10	6	8
TOAD	Student	Desktop	Apple	iMac - Mid 2014	5	2015	6	6	8
TOAD	Student	iPad	Apple	iPad - 5th Generation	15	2017	4	5	8
TOAD	Student	Laptop	Apple	MacBook Pro - Mid 2012	4	2013	8	6	8
SHOP	Network	Firewall	Palo Alto	PA-220	1	2019	2	4	6
SHOP	Network	Switch	D-Link	DGS-1100-05	1	2016	5	6	8
SHOP	Network	UPS	APC	Back-UPS ES650	1	2004	17	10	15
SHOP	Network	Wireless	Ubiquiti	Unifi AP-AC-Pro	1	2018	3	5	7
SHOP	Room	Printer	HP	Laserjet P3015	1	2007	14	10	15
SBO	Network	Firewall	Palo Alto	PA-220	1	2019	2	4	6
SBO	Network	Server	Dell	PowerEdge T440	1	2019	2	6	9
SBO	Network	Server	Lenovo	TS440	1	2014	7	6	9
SBO	Network	Server	qNAS	TS-859 Pro+	1	2013	8	7	10
SBO	Network	Switch	D-Link	DGS-1510-28XMP	1	2016	5	6	8
SBO	Network	Switch	D-Link	DGS-3620-28TC	1	2016	5	6	8
SBO	Network	UPS	APC	Back-UPS 1500	1	2018	3	10	15
SBO	Network	UPS	APC	Back-UPS 425	4	2019	2	10	15
SBO	Network	UPS	APC	Back-UPS 600	1	2018	3	10	15
SBO	Network	UPS	APC	Back-UPS Pro 1500	1	2014	7	10	15
SBO	Network	UPS	APC	Smart-UPS 1500	1	2011	10	10	15
SBO	Network	Wireless	Meraki	MR-32	1	2017	4	5	7
SBO	Room	Printer	HP	CP-4005DN	1	2007	14	10	15
SBO	Room	Printer	HP	Laserjet Pro M404n	1	2021	0	8	12
SBO	Room	Projector	Epson	EX5220	1	2016	5	10	15
SBO	Staff	Desktop	Lenovo	ThinkCentre M700	4	2016	5	6	8
SBO	Staff	Desktop	Lenovo	Thinkcentre M73	1	2014	7	6	8
SBO	Staff	Laptop	Apple	Macbook Pro - Mid 2017	1	2017	4	6	8
SBO	Staff	Laptop	Lenovo	ThinkPad T440p	3	2013	8	6	9
SBO	Staff	Laptop	Lenovo	ThinkPad T480	2	2019	2	6	9
SBO	Staff	Laptop	Lenovo	ThinkPad X1 Carbon	1	2016	5	6	9
RLA	Network	Firewall	Palo Alto	PA-220	1	2019	2	4	6
RLA	Network	Security	Dell	Optiplex 3050	1	2017	4	6	8
RLA	Network	Server	Apple	Mac Mini (Late 2012)	1	2012	9	6	9
RLA	Network	Switch	D-Link	DGS-1100-08P	1	2018	3	6	8
RLA	Network	Switch	D-Link	DGS-1510-28X	1	2016	5	6	8
RLA	Network	Switch	D-Link	DGS-1510-28XMP	1	2016	5	6	8
RLA	Network	Switch	D-Link	DGS-3620-28TC	1	2016	5	6	8
RLA	Network	UPS	APC	Back-UPS 650	1	2019	2	10	15
RLA	Network	UPS	APC	Smart-UPS 1500	1	2011	10	10	15
RLA	Network	Wireless	Meraki	MR-18	1	2014	7	5	7
RLA	Network	Wireless	Meraki	MR-42	5	2017	4	5	7
RLA	Room	Printer	??	C7-O58A	1	2007	14	10	15
RLA	Room	Printer	Brother	HL-5470DW	1	2017	4	6	10
RLA	Room	Printer	Brother	HL-L8350CDW	1	2017	4	6	10
RLA	Room	Printer	HP	Laserjet P3015	1	2007	14	10	15

Site	Category	Item	Brand	Model	Quantity	Purchase Year	Age	EOS	Extended
RLA	Room	Projector	Epson	EX7200	1	2012	9	10	15
RLA	Room	Projector	Epson	Powerlite 108	1	2020	1	10	15
RLA	Room	Projector	Epson	Powerlite 822+	2	2010	11	10	15
RLA	Room	Projector	Epson	Powerlite 95	7	2012	9	10	15
RLA	Room	Projector	NEC	VT465	1	2003	18	10	15
RLA	Room	Projector	NEC	VT580	1	2006	15	10	15
RLA	Security	Camera	D-Link	DCS-4603	20	2018	3	10	15
RLA	Staff	Desktop	Apple	iMac - Mid 2014	1	2014	7	6	8
RLA	Staff	Desktop	Lenovo	Thinkcentre M73	1	2015	6	6	8
RLA	Student	Chromebook	Edugear	CMT	2	2017	4	5	7
RLA	Student	Chromebook	HP	Chromebook 11 G6 EE	119	2018	3	5	7
RLA	Student	Chromebook	HP	Chromebook 11 G7 EE	12	2019	2	5	7
RLA	Student	Chromebook	HP	Chromebook 11A G8 EE	50	2020	1	5	7
RLA	Student	Desktop	Apple	iMac - Mid 2009	6	2010	11	6	8
RLA	Student	Desktop	Apple	iMac - Mid 2011	2	2012	9	6	8
RLA	Student	iPad	Apple	iPad - 5th Generation	30	2017	4	5	8
RLA	Student	iPad	Apple	iPad - 6th Generation	28	2018	3	5	8
RLA	Student	iPad	Apple	iPad - 3rd Generation	30	2013	8	5	8
JSC	Network	Firewall	Palo Alto	PA-220	1	2019	2	4	6
JSC	Network	Server	Apple	Mac Mini (Late 2012)	1	2012	9	6	9
JSC	Network	Switch	D-Link	DGS-3620-28TC	1	2016	5	6	8
JSC	Network	Switch	Ubiquiti	Unifi Switch 16 POE-150W	1	2019	2	6	8
JSC	Network	Switch	Ubiquiti	Unifi Switch 24	1	2019	2	6	8
JSC	Network	UPS	APC	Back-UPS 550	1	2013	8	10	15
JSC	Network	UPS	APC	Back-UPS Pro 1000	1	2012	9	10	15
JSC	Network	UPS	APC	Back-UPS Pro 650	1	2019	2	10	15
JSC	Network	Wireless	Ubiquiti	Unifi NanoHD	3	2019	2	5	7
JSC	Room	Printer	Brother	HL-5470DW	2	2017	4	6	10
JSC	Room	Printer	Brother	HL-L6200DW	1	2018	3	6	10
JSC	Room	Projector	Epson	EX7210	1	2011	10	10	15
JSC	Room	Projector	Epson	Powerlite 98	3	2016	5	10	15
JSC	Room	Projector	Epson	Powerlite 98H	4	2015	6	10	15
JSC	Security	Camera	D-Link	DCS-4603	4	2018	3	10	15
JSC	Security	Desktop	Lenovo	Thinkcentre M83	1	2014	7	6	8
JSC	Staff	Desktop	Apple	iMac - Early 2013	1	2013	8	6	8
JSC	Staff	Desktop	Lenovo	Thinkcentre M720	1	2019	2	6	8
JSC	Staff	Laptop	Apple	MacBook Pro - Mid 2012	1	2013	8	6	8
JSC	Student	Desktop	Apple	iMac - Early 2013	27	2013	8	6	8
JSC	Student	Desktop	Apple	iMac - Mid 2009	1	2009	12	6	8
JSC	Student	Desktop	Apple	iMac - Mid 2011	1	2011	10	6	8
JSC	Student	iPad	Apple	iPad - 4th Generation	38	2013	8	5	8
JSC	Student	iPad	Apple	iPad - 5th Generation	30	2017	4	5	8
JSC	Student	iPad	Apple	iPad - 8th Generation	24	2020	1	5	8
GWC	Network	Firewall	Palo Alto	PA-220	1	2019	2	4	6
GWC	Network	Server	Apple	Mac Mini (Late 2012)	1	2012	9	6	9
GWC	Network	Switch	D-Link	DGS-1510-28X	1	2016	5	6	8
GWC	Network	Switch	D-Link	DGS-1510-28XMP	1	2016	5	6	8
GWC	Network	Switch	D-Link	DGS-3620-28TC	1	2016	5	6	8
GWC	Network	UPS	APC	Back-UPS Pro 1300	1	2012	9	10	15
GWC	Network	UPS	APC	Back-UPS Pro 650	1	2019	2	10	15
GWC	Network	UPS	APC	Smart-UPS 1500	1	2011	10	10	15
GWC	Network	Wireless	Meraki	MR-18	2	2014	7	5	7
GWC	Network	Wireless	Meraki	MR-32	2	2017	4	5	7
GWC	Network	Wireless	Meraki	MR-42	1	2017	4	5	7
GWC	Room	Printer	Brother	HL-5470DW	1	2017	4	6	10
GWC	Room	Printer	HP	CP-4005DN	1	2007	14	10	15
GWC	Room	Printer	HP	Laserjet P3015	1	2007	14	10	15
GWC	Room	Projector	Epson	Powerlite 108	2	2020	1	10	15

Site	Category	Item	Brand	Model	Quantity	Purchase Year	Age	EOS	Extended
GWC	Room	Projector	Epson	Powerlite 822+	1	2010	11	10	15
GWC	Room	Projector	Epson	Powerlite 98	4	2016	5	10	15
GWC	Room	Projector	Epson	Powerlite 98H	3	2015	6	10	15
GWC	Security	Camera	D-Link	DCS-4603	2	2018	3	10	15
GWC	Staff	Desktop	Apple	iMac - Early 2013	1	2013	8	6	8
GWC	Staff	Desktop	Lenovo	Thinkcentre M720	1	2019	2	6	8
GWC	Staff	Laptop	Apple	Macbook Air - Mid 2017	2	2017	4	6	8
GWC	Staff	Laptop	Apple	MacBook Pro - Mid 2012	1	2013	8	6	8
GWC	Student	Desktop	Apple	iMac - Early 2013	27	2013	8	6	8
GWC	Student	Desktop	Apple	iMac - Mid 2009	2	2009	12	6	8
GWC	Student	Desktop	Apple	iMac - Mid 2009	2	2009	12	6	8
GWC	Student	Desktop	Apple	iMac - Mid 2011	2	2011	10	6	8
GWC	Student	Desktop	Apple	iMac - Mid 2011	2	2011	10	6	8
GWC	Student	iPad	Apple	iPad - 2nd Generation	6	2011	10	5	8
GWC	Student	iPad	Apple	iPad - 2nd Generation	2	2011	10	5	8
GWC	Student	iPad	Apple	iPad - 3rd Generation	28	2013	8	5	8
GWC	Student	iPad	Apple	iPad - 3rd Generation	4	2013	8	5	8
GWC	Student	iPad	Apple	iPad - 4th Generation	9	2013	8	5	8
GWC	Student	iPad	Apple	iPad - 5th Generation	29	2017	4	5	8
GWC	Student	iPad	Apple	iPad - 8th Generation	20	2020	1	5	8
FNSS	Staff	Laptop	Apple	Macbook Air - Late 2016	1	2017	4	6	8
FNSS	Staff	Desktop	Lenovo	Thinkcentre M73	1	2015	6	6	8
FNSS	Network	Firewall	Palo Alto	PA-220	1	2019	2	4	6
FNSS	Network	Firewall	Palo Alto	PA-3620	2	2019	2	4	6
FNSS	Network	Server	Dell	PowerEdge T410	1	2012	9	6	9
FNSS	Network	Server	Dell	PowerEdge T430	1	2016	5	6	9
FNSS	Network	Server	Lenovo	TS440	1	2014	7	6	9
FNSS	Network	Server	qNAS	TS-859 Pro+	1	2013	8	7	10
FNSS	Network	Switch	D-Link	DGS-1100-05	1	2016	5	6	8
FNSS	Network	Switch	D-Link	DGS-1100-08P	2	2016	5	6	8
FNSS	Network	Switch	D-Link	DGS-1210-10P	3	2016	5	6	8
FNSS	Network	Switch	D-Link	DGS-1510-20	1	2016	5	6	8
FNSS	Network	Switch	D-Link	DGS-1510-28X	1	2016	5	6	8
FNSS	Network	Switch	D-Link	DGS-1510-28XMP	1	2016	5	6	8
FNSS	Network	Switch	D-Link	DGS-3620-28TC	2	2016	5	6	8
FNSS	Network	Switch	D-Link	DSG-1510-52X	4	2016	5	6	8
FNSS	Network	UPS	APC	Back-UPS 350	1	2008	13	10	15
FNSS	Network	UPS	APC	Back-UPS 425	2	2019	2	10	15
FNSS	Network	UPS	APC	Back-UPS 450	1	2018	3	10	15
FNSS	Network	UPS	APC	Back-UPS 750	1	2014	7	10	15
FNSS	Network	UPS	APC	Back-UPS CS 350	1	2005	16	10	15
FNSS	Network	UPS	APC	Back-UPS ES 650	2	2006	15	10	15
FNSS	Network	UPS	APC	Back-UPS Pro 1300	1	2012	9	10	15
FNSS	Network	UPS	APC	Back-UPS Pro 500	2	2000	21	10	15
FNSS	Network	UPS	APC	Back-UPS Pro 650	1	1998	23	10	15
FNSS	Network	UPS	APC	Back-UPS RS 1500	1	2005	16	10	15
FNSS	Network	UPS	APC	RS 1300	1	2007	14	10	15
FNSS	Network	UPS	APC	RS 1500	1	2010	11	10	15
FNSS	Network	UPS	APC	Smart-UPS 1500	5	2012	9	10	15
FNSS	Network	UPS	APC	Smart-UPS 750	1	2011	10	10	15
FNSS	Network	UPS	APC	Smart-UPS SC1500	1	2011	10	10	15
FNSS	Network	Wireless	Meraki	MR-18	6	2014	7	5	7
FNSS	Network	Wireless	Meraki	MR-32	6	2016	5	5	7
FNSS	Network	Wireless	Meraki	MR-33	2	2017	4	5	7
FNSS	Network	Wireless	Meraki	MR-42	4	2017	4	5	7
FNSS	Room	Printer	Brother	HL-2320D	1	2018	3	6	10
FNSS	Room	Printer	Brother	HL-5470DW	1	2017	4	6	10
FNSS	Room	Printer	Brother	HL-L2360DW	1	2016	5	6	10

Site	Category	Item	Brand	Model	Quantity	Purchase Year	Age	EOS	Extended
FNSS	Room	Printer	Brother	HL-L6200DW	1	2016	5	6	10
FNSS	Room	Printer	Brother	HL-L8360CDW	1	2017	4	6	10
FNSS	Room	Printer	HP	Laserjet P3015	2	2007	14	10	15
FNSS	Room	Projector	BenQ	MW817ST	1	2012	9	10	15
FNSS	Room	Projector	Christie	LW551i	1	2016	5	10	15
FNSS	Room	Projector	Epson	Powerlite 108	1	2019	2	10	15
FNSS	Room	Projector	Epson	Powerlite 680	1	2018	3	10	15
FNSS	Room	Projector	Epson	Powerlite 822+	14	2010	11	10	15
FNSS	Room	Projector	Epson	Powerlite 98H	2	2017	4	10	15
FNSS	Room	Projector	Proxima	C185	3	2008	13	10	15
FNSS	Security	Camera	D-Link	DCS-4602	5	2016	5	10	15
FNSS	Security	Camera	D-Link	DCS-4603	17	2018	3	10	15
FNSS	Staff	Desktop	Apple	iMac - Mid 2014	1	2014	7	6	8
FNSS	Staff	Desktop	Lenovo	Thinkcentre M700	2	2016	5	6	8
FNSS	Staff	Desktop	Lenovo	Thinkcentre M83	1	2014	7	6	8
FNSS	Staff	Laptop	Apple	MacBook Pro - Mid 2012	5	2013	8	6	8
FNSS	Student	Chromebook	Edugear	CMT	296	2017	4	5	7
FNSS	Student	Desktop	Apple	iMac - Early 2013	6	2013	8	6	8
FNSS	Student	Desktop	Apple	iMac - Mid 2011	1	2011	10	6	8
FNSS	Student	Desktop	Dell	Optiplex 3050	27	2017	4	6	8
FNSS	Student	iPad	Apple	iPad - 4th Generation	4	2013	8	5	8
FNSS	Student	iPad	Apple	iPad - 5th Generation	30	2017	4	5	8
FNSS	Student	Laptop	Apple	MacBook Pro - Mid 2012	9	2013	8	6	8
FNSS	Student	Laptop	Apple	MacBook Pro - Mid 2012	21	2013	8	6	8
DISTRICT	Staff	Laptop	HP	Probook 440 G5	53	2018	3	6	9