

Nashua School District IT Department

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NASHUA
SCHOOL DISTRICT
Gateway to Opportunity

How Does IT Support The District?

▶ Sustaining a 1:1 Learning Environment

- ▶ Supporting nearly 10,000 students and 1,000 staff with dedicated Chromebooks for each student to ensure equitable access to digital learning tools while planning replenishment and lifecycle management.

▶ Robust Infrastructure

- ▶ Maintaining and upgrading critical network components, including recently enhanced fiber connections, core switches, and access points, to support high-speed, reliable connectivity for all schools.

▶ Enhancing Digital Safety & Security

- ▶ Investing in cybersecurity measures, content filtering, and device management solutions to create a safe, secure, and compliant digital learning environment for students and staff.

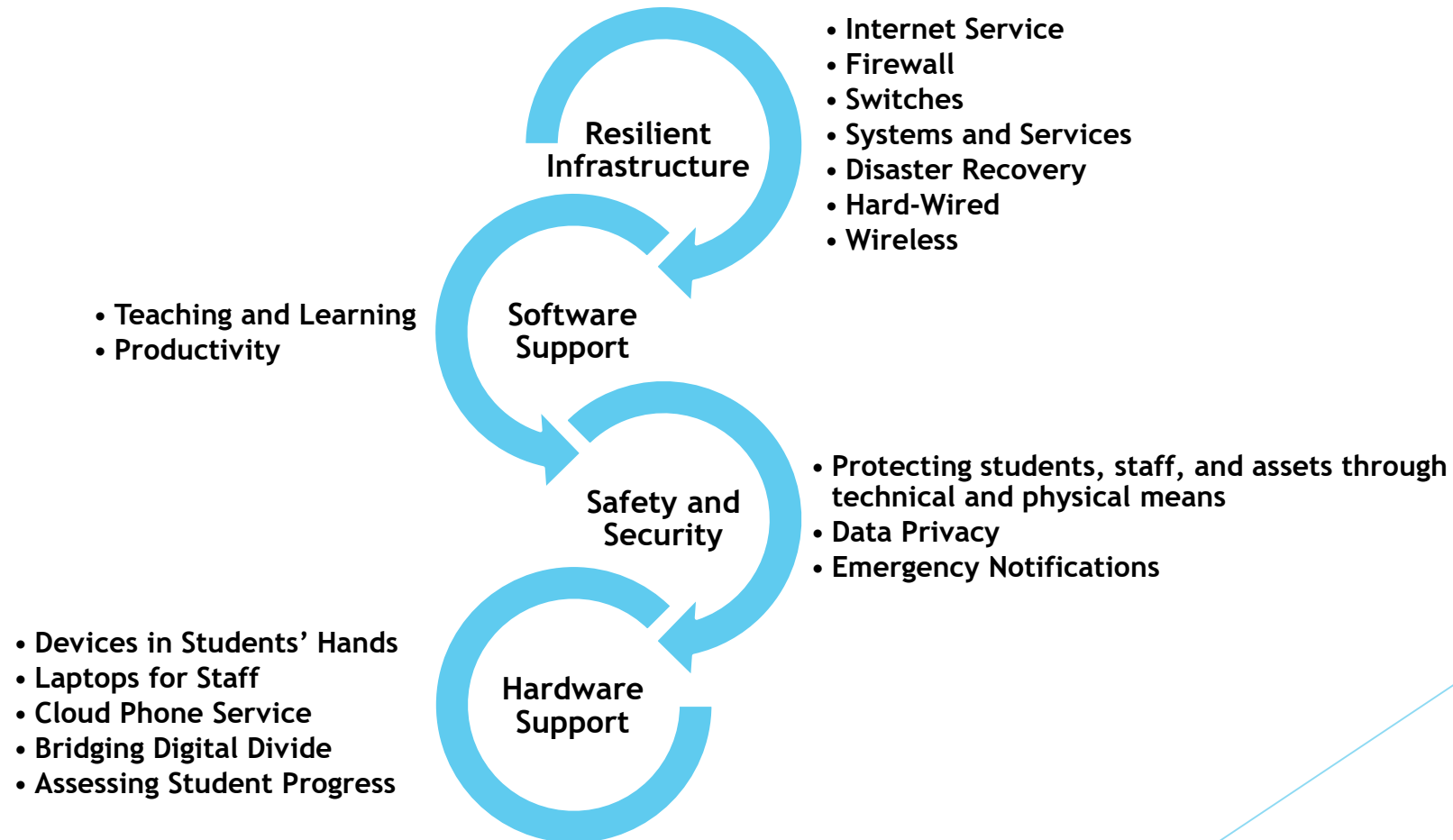
▶ Strategic Planning & Collaboration

- ▶ Working closely with district leadership to identify trends, forecast technology needs, and align IT investments with district initiatives that enhance teaching and learning.

▶ Maximizing Funding & Cost Efficiency

- ▶ Leveraging E-Rate reimbursements, bulk purchasing, grants, and other alternative funding sources to optimize technology investments and ensure long-term sustainability.

Technology Providing Equity and Opportunity



Transforming Learning with Interactive Technology

Education is evolving, and students learn best when engaged. Interactive panels bring lessons to life, making learning more dynamic, accessible, and collaborative.

▶ **The Impact:**

- ▶ Engagement and participation for students interact directly with content, fostering deeper understanding and curiosity.
- ▶ Equity in learning where every classroom becomes a space for active, hands-on learning, benefiting all students.
- ▶ Empowering and enabling teachers for dynamic instruction, real-time collaboration, and adaptive teaching strategies.
- ▶ Prepares students with foundational digital skills essential for their academic, social, and career journeys.

▶ **The Bigger Picture:**

- ▶ This isn't just technology—it's about creating spaces where every student is engaged, inspired, and ready to succeed.
- ▶ It is about empowering teachers with technology as a tool to engage and enlighten.

Teaching and Learning

▶ The Ideal Classroom

▶ Interactive panels throughout the District

- ▶ Full implementation in core classrooms in all elementary schools
- ▶ Fairgrounds Middle School and Pennichuck Middle School - **Projectors in All Classrooms**
- ▶ High schools have a mix of table-top, wall-mounted, and ceiling-mounted projectors

▶ 1:1 Chromebooks for all students in all grade levels

- ▶ Secondary students bring home Chromebooks
- ▶ Elementary classrooms to have a Chromebook cart to charge and safely store 20-25 Chromebooks
 - ▶ Increases student engagement and motivation according to a 2023 study by the *International Journal of Technology in Education and Sciences*

▶ Teacher laptop to promote flexible, mobile instruction

▶ Wireless access point in each classroom for a seamless, wireless use

What is E-Rate and What is the Return on Investment?

▶ What is E-Rate?

- ▶ A federal program managed by the FCC that provides discounts on internet access, network infrastructure, and related services to schools and libraries, ensuring equitable access to technology.

▶ How Much Do We Get?

- ▶ Our district qualifies for a 60% discount, meaning if we apply for \$100,000 in eligible services, we only pay \$40,000, with the remaining \$60,000 covered by E-Rate funds.

▶ What Does It Cover?

- ▶ E-Rate funds Category 1 services (internet access, fiber connections) and Category 2 services (Wi-Fi, internal network upgrades, cybersecurity measures like firewalls). It does not cover computers, teacher devices, phones, or software.

▶ Why Is It Important?

- ▶ With increasing digital learning needs, E-Rate funding helps maintain high-speed internet, improve security, and expand student access without overburdening the local budget.

▶ What's Next?

- ▶ We apply annually through qualifying free and reduced lunch students (60%), ensuring compliance with federal guidelines. Maximizing E-Rate funding requires strategic planning to prioritize infrastructure upgrades while meeting program requirements. 30-day open bidding process through an RFP to meet the qualifying bid criteria, with 60% of the project cost being reimbursed.

What are the Funding Priorities for this Year?

- ▶ **Upgrade Current Networking Infrastructure**
 - ▶ District-core switch to be replaced at South High School to support the district
 - ▶ Core switch purchase for four elementary schools
- ▶ **Chromebook Purchases to Support 1:1 for Secondary**
 - ▶ Purchase 1,400 to phase out aging Chromebooks
 - ▶ \$360,620 Annually
- ▶ **Laptop refreshment cycle to replace 2020/2021 laptops**
 - ▶ For new staff and refresh lifecycle
 - ▶ \$250,000 Annually
- ▶ **Computer Software**
 - ▶ Productivity, safety, and security
 - ▶ Core Switches and Next Generation Firewall
- ▶ **Interactive Panels**
- ▶ **Computer Equipment and Supplies**
 - ▶ Break/fix parts

Technology Budget for the District

▶ Contract Services

▶ 91.1.992225-53628

HP Support Contracts	\$16,500.00
Cisco Support and Licensing Contracts* (Erate @ 60% discount)	\$10,000.00
Cisco Phone Licenses (Year 3 of 5: Phone Project)	\$49,000.00
Cisco Voice Support	\$10,000.00
E-Rate Services	\$5,500.00
External Computer Repair	\$2,000.00
Fiber Repairs	\$25,000.00
Wiring (Access Points, Phones, Misc.) (Originally \$9K)	\$15,000.00
Aspen Service Requests	\$45,000.00
AV Seivces	\$10,000.00
Pen Test	\$17,000.00
Core Switch Upgrades at NHS, DO, and Four Elem* (Erate @ 60% discount)	\$253,000.00
Total	\$458,255.00

▶ Computer Supplies

▶ 91.1.992225-61607

Adapters/Cables (HDMI, Ethernet, Adapters, etc.)	\$10,000.00
Amplifiers, Flash Drives, Monitor Stands, and Tools	\$3,300.00
Phones/ATAs	\$3,000.00
Monitors	\$3,000.00
Network Parts: Synology Drives/APC Batteries/	\$15,000.00
Chromebook Parts: Screens/Keyboards, Cables & Trackpads	\$10,000.00
Laptop Parts: Batteries, Screens, Keyboards	\$4,700.00
Mice/Keybaords	\$1,000.00
Total	\$50,000.00

▶ Computer Equipment

▶ 91.1.992225-71221

Chromebooks for Secondary (~1,400)	\$360,620.00
Laptops (~300)	\$250,000.00
Desktops (~23)	\$15,000.00
Clear Touch (~55) - Elementary	\$200,00.00
Total	\$825,620.00

Software

► Educational and Business-Related Software

► 91.1.992225-71228

Account Management Software (Automation) per Steve's request	\$6,200.00
Account Tree Software for Student Activity Funds	\$5,900.00
Admin Licenses for Microsoft 365	\$200.00
Adobe Licenses	\$2,000.00
Applitrack Applicant System	\$9,000.00
Appointlet Software	\$1,600.00
Aspen (X2) SIS	\$216,275.00
Awesome Table	\$800.00
CBT Nuggets	\$1,350.00
Barracuda Renewal	\$53,000.00
COSN Renewal	\$1,400.00
CrowdStrike	\$86,650.00
DameWare Renewal	\$4,504.00
Deledao	\$36,720.00
Destiny Library	\$22,000.00
Destiny Resource Manager Software	\$32,000.00
Domain Name Renewals & SSL Certificates	\$2,500.00
DUO Advantage Software	\$38,000.00
Tyler - Transportation Software Renewal	\$17,069.00
Encyclopedia Britannica	\$5,100.00
Energy Cap	\$7,000.00
FinalSite Website	\$54,540.00
FortiNet - Firewall (Erate @ 60% discount)	\$112,000.00
Frontline: AESOP	\$35,000.00
Frontline: Prof Development	\$45,500.00
Google Plus Workspace Licenses	\$50.00
Grammarly Renewal	\$144.00
Help Desk Software Renewal	\$8,500.00
Informacast	\$14,000.00
JAMF Suite for iPad Inventory	\$14,500.00
Microsoft Renewal	\$77,000.00
ML Schedules	\$8,000.00
My Flex Learning - Annual Fee	\$12,000.00
Naviance (Grades 9-12)	\$35,000.00
Senso (Classroom Management)	\$2,400.00
NHCTO Membership	\$1,400.00
Simple K renewal for Plant Operations	\$3,000.00
Student Data Privacy Allegiance	\$5,000.00
Systems Monitoring Software	\$1,600.00
T-Eval Renewal	\$13,600.00
TMA Software	\$8,400.00
VMWare	\$27,000.00
Workday Adaptive Insights Budgeting & Planning Software	\$75,000.00
VEEAM Backup Licensing	\$7,350.00
Bogen Intercom Software - High Schools	\$10,000.00
Cleargov	\$35,000.00
TOTAL	\$1,155,252.00

Technology Budget for the District cont.

▶ Office Supplies

▶ 91.1.992225-61100

Office Supplies	\$750
Total	\$750.00

▶ Professional Development

▶ 91.1.992225-55400

Professional Development	\$11,500.00
Total	\$11,500.00

▶ Seasonal Help

▶ 91.1.992225-51300

NTO Assistance	\$1,400.00
Intern - Summer \$16/hour	\$4,800.00
Total	\$6,280.00

Necessities and Nice-to-Have

▶ **Necessities**

▶ **Maintain and Upgrade Infrastructure to Support the District for the Next Ten Years**

- ▶ Core Switch at South High School for Summer 2026

▶ **Equipment Refresh**

- ▶ Chromebooks and Laptops to Support Teaching and Learning

▶ **Security and Safety**

- ▶ IT Cybersecurity Awareness Training, Software, Emergency Notifications, and Culture

▶ **Equitable Access to Technology**

- ▶ Fulfill the Ideal Classroom in Core Elementary Classrooms by the End of the School Year

▶ **Nice to Have**

- ▶ Outfit remaining ELL, UAs, and Special Education with interactive panels