

# 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.

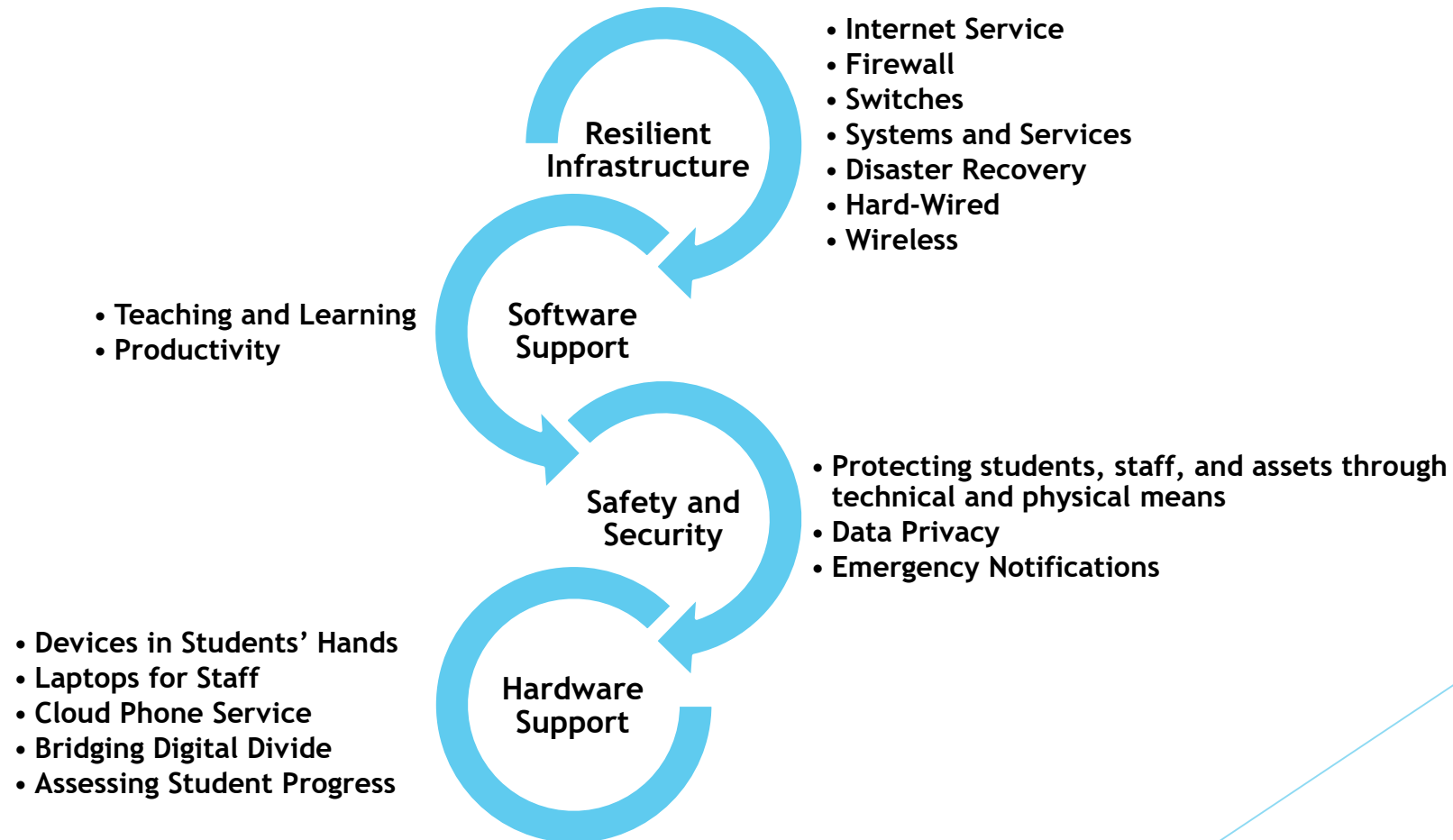
## ▶ **Strategic Planning & Collaboration**

- ▶ 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



# Teaching and Learning

## ▶ The Ideal Classroom

### ▶ Interactive panels throughout the District

- ▶ Amherst St, Birch Hill, Charlotte Ave, Dr. Norman Crisp, Ledge St, Main Dunstable, Mount Pleasant, McCarthy Middle School - **Full Implementation**
- ▶ Fairgrounds Elementary and Sunset Heights - **Partial Implementation**
- ▶ Fairgrounds Middle School and Pennichuck Middle School - **Projectors in All Classrooms**

### ▶ 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?

- ▶ **Chromebook Purchases to Support 1:1 for Secondary**
- ▶ **Maintain Current Networking and Systems Infrastructure**
- ▶ **Computer Software**
  - ▶ Productivity, safety, and security
  - ▶ Core Switches and Next Generation Firewall
- ▶ **Computer Equipment and Supplies**
  - ▶ Break/fix parts

# Technology Budget for the District

## ▶ Computer Equipment

▶ 91.1.992225-71221

Chromebooks for Secondary (1,748)	\$461,472.00
Laptops (10)	\$7,000.00
Desktops (23)	\$14,950.00
<b>Total</b>	<b>\$483,422.00</b>

## ▶ 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/Keyboards	\$1,000.00
<b>Total</b>	<b>\$50,000.00</b>

## ▶ Contract Services

▶ 91.1.992225-53628

HP Support Contracts	\$16,500.00
Cisco Support and Licensing Contracts* (Erate @ 60% discount)	\$70,000.00
Cisco Phone Licenses (Year 2 of 5: Phone Project)	\$48,585.54
Cisco Voice Support	\$30,000.00
E-Rate Services	\$5,000.00
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 Services	\$10,000.00
Pen Test	\$17,000.00
<b>Total</b>	<b>\$284,085.54</b>

# Technology Budget for the District cont.

## ▶ Educational and Business-Related Software

### ▶ 91.1.992225-71228

Account Management Software	\$6,100.00
Account Tree Software for Student Activity Funds	\$4,464.00
Admin Licenses for Microsoft 365	\$192.00
Adobe Licenses	\$2,000.00
Applitrack Applicant System	\$9,000.00
Aspen (X2) SIS	\$216,275.00
Awesome Table	\$800.00
CBT Nuggets	\$1,300.00
FinalSite Website	\$54,540.00
COSN	\$1,300.00
DameWare Renewal	\$1,400.00
Destiny Library	\$20,000.00
Tyler Transportation	\$17,069.00
Encyclopedia Britannica	\$5,000.00
Energy Cap	\$5,942.58
Frontline: AESOP	\$34,400.00
Frontline: Prof Development	\$45,500.00
Help Desk Software	\$4,872.00
Incident IQ	\$22,355.82
JAMF Suite	\$10,387.00
ML Schedules	\$7,920.00
My Flex Learning	\$12,000.00
Naviance	\$33,000.00
Netop Vision	\$4,550.00
Simple K renewal for Plant Operations	\$919.00
T-Eval Renewal	\$13,600.00
TMA Software	\$8,200.00
Workday Adaptive Insights Budgeting & Planning Software	\$96,075.00
<b>Total</b>	<b>\$639,161.40</b>

# Technology Budget for the District cont.

## ► Network, Systems, and Security Software

### ► 91.1.992225-71228

Barracuda Email Filtering	\$51,000.00
CrowdStrike	\$86,650.00
Deledao	\$44,000.00
Domain Name Renewals & SSL Certificates	\$2,500.00
DUO Advantage Software	\$37,215.00
Microsoft Renewal	\$75,000.00
Paesler Network Monitoring	\$1,600.00
FortiNDR - Network Security Monitoring	\$31,222.45
FortiNet - Firewall* (Erate @ 60% discount)	\$128,943.00
VMWare	\$10,000.00
<b>Total</b>	<b>\$468,130.45</b>

## ► Office Supplies

### ► 91.1.992225-61100

Office Supplies	\$750
<b>Total</b>	<b>\$750.00</b>

## ► Professional Development

### ► 91.1.992225-55400

Professional Development	\$11,500.00
<b>Total</b>	<b>\$11,500.00</b>

## ► Seasonal Help

### ► 91.1.992225-51300

NTO Assistance	\$1,400.00
Intern - Summer \$16/hour	\$4,800.00
<b>Total</b>	<b>\$6,200.00</b>

# Necessities, Nice-to-Haves, and Wish List

## ▶ Necessities

- ▶ **Maintain and Upgrade Infrastructure to Support District for the Next Five 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

## ▶ Nice to Have

- ▶ **Equitable Access to Technology**
  - ▶ Fulfill the Ideal Classroom by the End of the School Year
- ▶ **Heat Map Wireless Survey to Enhance the Wi-Fi Experience**

## ▶ Wish List

- ▶ **Dedicated Technology Integrator for Elementary and Middle Schools**
  - ▶ With new technology and software require training and development for staff need to feel supported when new integrations happen