

# Technology

---

School Board. | October 2023

---



Early phases of Data Center Reconstruction. Bode for scale. On the left you can see the old servers, precariously perched on a shelf.

---

## Data Center Update

Data center servers were replaced in August and all services were migrated to the new VM Hosts. In total, 11 servers/services are now hosted on the new machines. Several legacy servers were shut down. We now have room to accommodate future needs of the District.

The new servers host critical services including DHCP, DNS, Active Directory, VEEAM Backup and Recovery, Cisco Umbrella DNS Forwarders, File share, Print Services, and OneSync.



Jeff volunteered for this!



Data Migration in Process.....I'm sorry there is nothing exciting to picture here...



## Cabling Do Over @ MHT

All security cameras at MHT were re-wired properly. The old work was piece-mealed and cable extenders were found throughout the building, as well as 50-foot patch cables, (not designed to be used in Plenum space) MHT Now has a network Closet that is properly installed and terminated.

Thirteen new security cameras were installed on the interior and exterior of MHT. Administrators now have access to live and recorded footage on their cell phones/laptops.



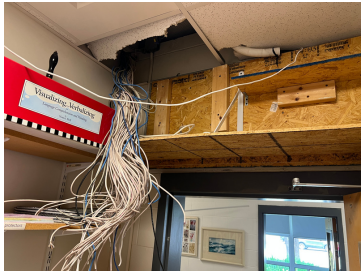
Cable extenders.....ugh!



Old Wiring being pruned out

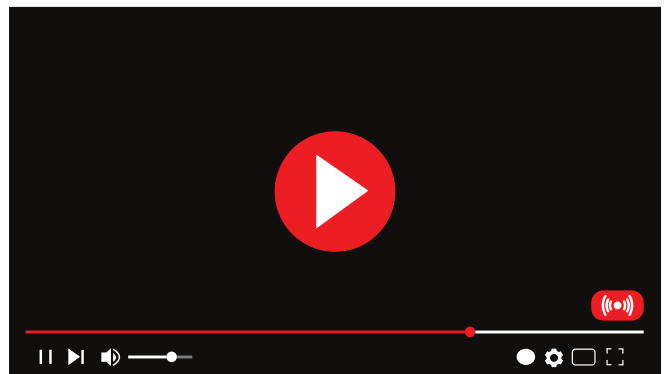


Notice the old shelving and wire mess removed from over the door.



## Replacement Devices For NPS Students

New devices were ordered and prepared for students at NPS. The existing NPS devices need to be erased and re-enrolled due to a missed procedural step by the previous Director. Now that the devices are properly enrolled in our management system, software updates, settings, and installs can all be managed remotely and in real-time.



## 2 Factor Authentication for all Faculty

After crippling cyber attacks on the Nashua Schools, I made the request for our Staff to turn on 2FA. Using this [Tech Minute video](#) and a kindly worded email, we urged staff to turn on 2FA. By June 30th, we had 100% compliance with 2-factor authentication for Faculty. There was an overwhelmingly positive response, and the staff was super responsive to the request.

## Nashua School District Victim Of 'Sophisticated Cyberattack'

Schools were open Monday as officials attempt to find out who recently hacked into its systems, according to Superintendent Mario Andrade.

Tony Schinella, Patch Staff

## Relocation of Network Closet @ Newington Public School

The network rack that was installed on the floor, underneath the roof access hatch was moved. The last week of June was dedicated to removing old cabling and making new runs from the back half of the building to the new closet. The network switch in the library storage closet was eliminated, and all networking runs back to the MDF, now located in the Custodial supply closet. NPS also gained access to the old storage area for needed storage of supplies.

# NH Cyber Security



Through a grant program provided by the New Hampshire Cyber Defense Program, all 4 of the technology staff participated in Cybersecurity Training. Successful completion of this course granted us access to some new and powerful log-searching tools developed by the ATOM group. These analytic tools help us identify and stop unusual activity before it becomes problematic.

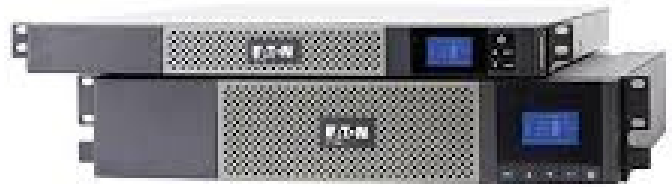


## Digital Citizenship

Rye Elementary Digital citizenship assembly. All RES students participated in a discussion about online safety and responsibility. Rye Tech Coordinator Chris Cooney was arguably the star of the show!



## UPS Installations



Eaton Battery Backup / Uninterruptible Power Supplies

UPSs are a critical part of network infrastructure, protecting valuable network switches and other sensitive equipment. Many network closets were missing functioning UPSs. Many were replaced and set up with notifications to alert Tech when an outage has occurred. We have discovered that the Power in Rye fluctuates quite frequently, and was likely causing equipment to burn out faster than necessary.

## Lexia Core 5 App - NPS / MHT / RYE

Adapts with student performance, targeting skill gaps as they emerge.



MHT and RES have joined NPS in utilizing Lexia Core 5 for early literacy support and instruction. Lexia is designed to be used for about 10 minutes per day to build foundational literacy skills using adaptive technology. It's fun, self-directed, and highly effective. Teacher dashboards provide data about where students are struggling and even generate custom skill builder worksheets to supplement the skills needed.



## **Rye School District Administrator Goals**

**Michelle Pitts, Principal, RES**

**Anne Gilbert, Principal, RJH**

**October 18, 2023**

**Goal 1:** *Maintain a culture that is positive, welcoming, and supportive to all stakeholders, including staff, families, students, and community stakeholders.*

### **Rye Elementary School**

- For Open House, we hosted our families, as well as our students, to learn more about the teaching as well as the beautiful spaces we have at RES. Prior to visiting classrooms, families and students met with Mrs. Pitts to learn more about some of our new initiatives, such as Step Up to Writing, Lexia Core5 and Purposeful People.
- We want to again recognize the hard work and dedication of our custodians as we celebrated them in October for Custodian Appreciation Day.
- Steve Zadavec came to speak with the staff at both RES and RJH about the Portrait of a Learner. The staff was engaged and was able to share ideas to benefit our students and culture within the Rye Schools.
- We are so thankful to Denise and Paul Pouliot and the Rye 400 Committee for bringing us a program about indigenous people and music. Children in grade 3 had an opportunity to learn about and play instruments made from natural materials and even play along with Paul in a drum circle.

### **Rye Junior High School**

- Our second Parent Advisory Committee meeting was held. The group discussed helping build community engagement at RJH, and are planning a winter event that will celebrate our school and the diversity that exists in our community. All members have given permission to share their contact information, and have had lots of positive conversations in the past month.
- Working with Greenland Central School, a Title IV grant was approved to bring Katie Greer to SAU 50. Katie is an internet safety specialist, and spoke to our students in two sessions. She outlined the wonderful things about technology and social media, but also the less than desirable aspects of being connected on social media. That evening, Katie