



# TECHNOLOGY UPDATE

27 JAN 2025

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## WHO WE ARE WHAT WE DO

### It takes a village...

Three dedicated technicians  
Six educational technology specialists  
Two student-run help desks  
One technology director



Enabling effective  
teaching and learning.



Ensuring the safety and  
security of the school's  
technology  
infrastructure.

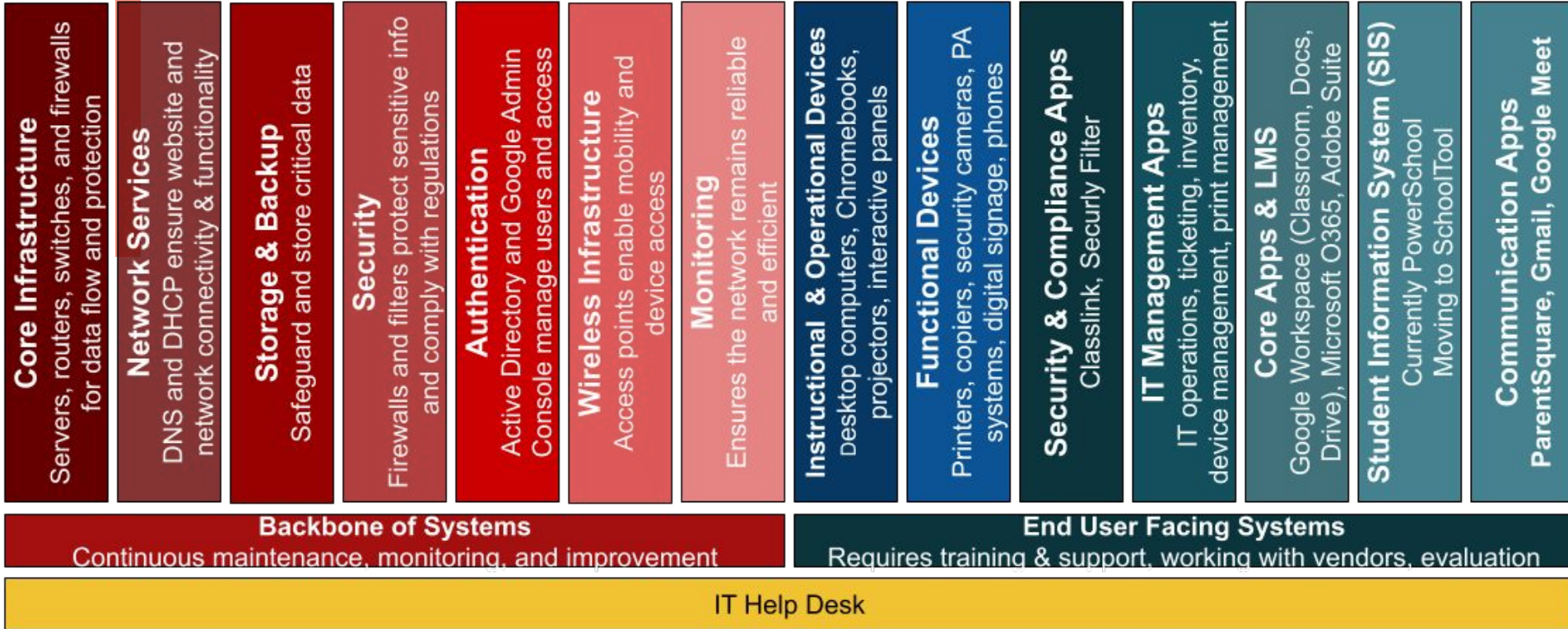


Supporting the  
administrative and  
operational needs of the  
district.



Providing technology  
solutions and improving  
practices.

# IT Infrastructure Oversight Layers



# STUDENT RUN HELP DESK



## MS & HS

Launching next week!



## TRAINING

- Chromebook loaning procedures
- Basic troubleshooting & repair techniques
- Advanced Projects:
  - Website design
  - 3D printing of parts
  - App development



## BENEFITS

- Students develops valuable technical skills
- Provides real-world experience
- Fosters student leadership and problem-solving

# STUDENT INFORMATION SYSTEM TRANSITION



P

S

## WHAT IS A SIS?

*Student Information System*

- [Required by NYSED to report specific student data:](#)
  - enrollment
  - demographics
  - attendance
  - discipline
  - NYS assessment results
  - graduation outcomes

## CURRENT SIS

- PowerSchool
- National company owned by Pearson Education
- Used by Scotia-Glenville for 10+ years
- Why Scotia-Glenville will move on from PowerSchool

## FUTURE SIS

- SchoolTool
- Unanimously chosen by a committee of teachers, staff, admin
- Created for New York State school districts
- Highest degree of security awards
- Full implementation: Fall 2025

# CYBERSECURITY AND DATA PROTECTION ENHANCEMENTS



## ACCESS MANAGEMENT & AUTHENTICATION

- Single Sign-On (SSO)
- Role-based control access
- Guest WiFi monthly reset
- **Fall 2025:** Multi-factor Authentication (MFA)



## NETWORK & DATA SECURITY

- **Fall 2025:** New encryption program for wireless networks for staff, students, and guests.
- New server backups
- Classlink student data security:
  - Student IDs are transformed prior to sending data to vendors - cannot reverse engineer identities



## MONITORING, BLOCKING, & FILTERING

- **Classroom Monitoring:** Securely Classroom
- **Student Content Monitoring:** Securely Aware
- **District Filter and Blocking:** Securely Filter
- **District Firewall and Threat Monitoring:** Palo Alto

# CENTRALIZED PRINTING



## PRINTERS

- Deployed new Canon multifunction printers in all buildings to replace less efficient printer units



## COPIERS

- New copiers have been purchased and will be installed in all buildings in Feb-March 2025



## PAPERCUT

- Print management software will be installed on all printers and copiers districtwide.
- Will allow:
  - Completely secure printing
  - Reduce waste in paper, toner, and energy

# CHROMEBOOK MANAGEMENT & SUPPORT



## EQUITY & ACCESS

- All students in grades 2-12 have an assigned and inventoried Chromebook
- **In Progress:** Reallocation of additional Chromebook carts for students in grades K-1 in every elementary building



## STREAMLINED LOANING & REPAIR

- Established dedicated Chromebook carts in every building exclusively for student loaning. Tracked through our dynamic inventory process.
- Faster repair workflow for student Chromebooks



# INCREASED COMMUNICATION



## GMAIL

- Launched Gmail to replace Outlook
- Streamlines communication within a K-12 environment since almost all workflow has moved to Google Workspace
- Enhanced security features for filtering and protecting email data



## PARENTSQUARE & STUDENTSQUARE

- Relaunched ParentSquare (Admin/Staff ↔ Parents) and introduced StudentSquare (Admin/Staff ↔ Students)
- Created a space for coaches to safely communicate with families and student athletes
- Secure communication profiles

# WORKFLOW IMPROVEMENTS



## AUTOMATED STUDENT ONBOARDING

- Within 24 hrs of activation in the SIS, a notification is sent to school stakeholders that a new student has joined and provides student's new tech account info
- Notification creates a ticket to provision a Chromebook if the student is in grades 2-12



## AUTOMATED STAFF ONBOARDING

- Online application process for prospective employees
- Information flows to database where staff can approve/deny workflow triggers
- Once BOE approved, workflow will send the new employee tech account info & onboarding package
- Process created for coaches, in progress for student teachers, and then staff groups



## AUTOMATED SOFTWARE & APP PROVISIONING

- Classlink automatically recognizes when new students and staff are added to our environment, provisioning appropriate apps and software to their accounts

# FUTURE INITIATIVES



## INSTRUCTIONAL NEEDS

- Replacement of all desktops in instructional spaces
- Interactive boards in every classroom (SmartSchools)
- Chromebooks for instructional staff (SmartSchools)
- AI (evolving topic)



## SECURITY

- Cybersecurity simulations and training
- Multi-factor authentication on all district devices
- Student and parent cybersecurity training



## HELP DESK

- Launching a new ticketing, inventory, and tracking program: Incident IQ
- Expanding the role of Student Help Desk to include community support hours and summer training

**THANK  
YOU!**

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