



Hebron Public Schools Technology Advancement Plan

2022-2027

Main Goals

Staff, Student, and Classroom Devices

Support teaching and learning through the use of modern and reliable technology in the classrooms and offices

Technology Infrastructure

Support teaching, learning, and security with a modern and reliable network that allows communication between devices

Security

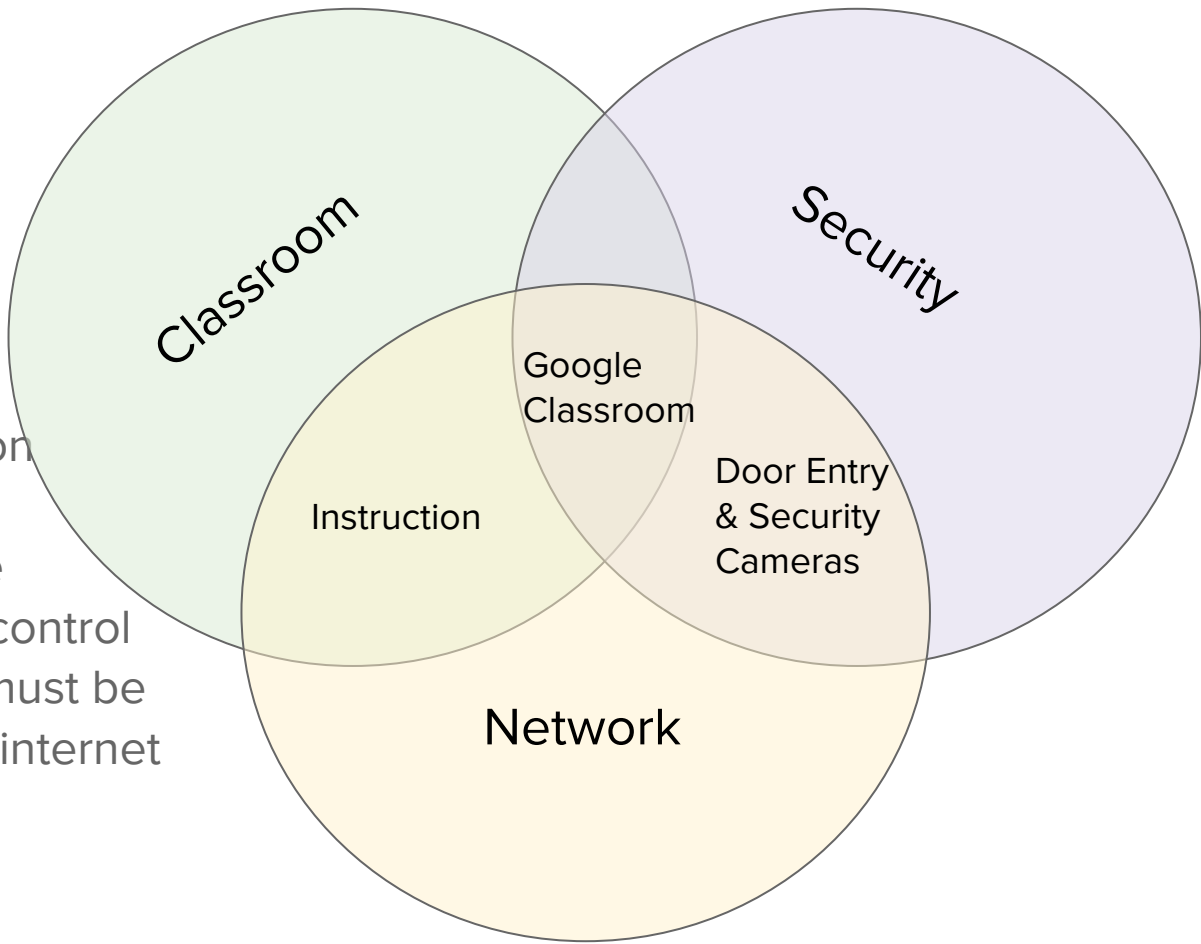
Secure district information and buildings



How These Goals Overlap

A few examples:

- Classroom instruction files and documents are stored on servers to prevent data loss
- Building access controls are managed through network control
- Data in Google Classroom must be kept secure while requiring internet access



Goal 1: Staff, Student, and Classroom Devices

Highlights

- Plan for classroom and office device maintenance and upgrades
- Budget timeline for classroom and office equipment

Goal 1: Staff, Student, and Classroom Devices

- A. Stay abreast of published guidelines for system obsolescence of equipment primarily used by staff and students with a focus on a 5-year refresh cycle.

<p>Indicators of Success</p>	<ul style="list-style-type: none"> ● Staff and students are able to access digital learning tools experiencing minimal frustrations due to unsupported software ● Staff and students experience minimal disruptions to learning caused by aging equipment ● District devices and data are secured ● Reduced downtime allows for additional time on task
<p>Action Steps</p> <p><i>2022.23 through 2026.27</i></p>	<ul style="list-style-type: none"> ● Continue monitoring published guidelines for device end of life dates ● Perform monthly update cycle based on CISA/best practices guidelines ● Professional development at annual CEN technology conference ● Continuing professional development during the year to keep up to date on current technology trends
<p>Year 1 2022-2023 Implementation and Impact</p>	<p>Complete:</p> <ul style="list-style-type: none"> ● <p>On Track:</p>



Goal 2: Technology Infrastructure

Highlights

- Timeline to upgrade firewall
- Plan for network maintenance and upgrades
- Budget timeline for network upgrades

Goal 2: Technology Infrastructure

A. Migrate on-site firewall to a co-managed setup.

Indicators of Success	<ul style="list-style-type: none"> ● Reduced downtime caused by power loss and firmware upgrades by moving firewall to a secured offsite datacenter ● Improved fault tolerance through automatic failover if a hardware failure occurs ● Upstream location allows for improved DDoS mitigation
Action Steps <i>2022.23 through 2024.25</i>	<ul style="list-style-type: none"> ● Year 1 (2022-23) <ul style="list-style-type: none"> ○ Maintain current onsite firewall ● Year 2 (2023-24) <ul style="list-style-type: none"> ○ Plan network architecture change to accommodate offsite firewall ● Year 3 (2024-25) <ul style="list-style-type: none"> ○ Migrate firewall configuration from onsite to offsite
Year 1 2022-2023 Implementation and Impact Update	Complete: <ul style="list-style-type: none"> ● On Track: <ul style="list-style-type: none"> ● Off Track: <ul style="list-style-type: none"> ●



Goal 3: Security

Highlights

- Plan for the maintenance and annual testing of building security equipment
- Digital security processes and upgrades
- Budget timeline for security equipment and software



Goal 3: Security

C. Implement and budget for the appropriate life cycle of equipment and software used to secure district data and buildings.

Indicators of Success	<ul style="list-style-type: none">● District communications during an emergency are robust and reliable.● Building spaces are secure.● District data is secure.● Through appropriate and responsible budgeting the district is able to support its digital and physical security initiatives.
Action Steps <i>2022.23 through 2026.27</i>	<ul style="list-style-type: none">● Year 1 (2022-23)<ul style="list-style-type: none">○ Continue transitioning from analog to digital radios (6 per year)○ 180 degree cameras are replaced with fisheye lens cameras for wide angles (2 per year)○ Replace GHS camera server● Year 2 (2023-24)<ul style="list-style-type: none">○ Continue transitioning from analog to digital radios (6 per year)○ 180 degree cameras are replaced with fisheye lens cameras for wide angles (2 per year)○ Purchase EDR for district computers