

Technology Update to the Board

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Where were we 2 years ago?

- High density wireless infrastructure:
 - 631 Wireless Access Points deployed
 - High Speed point to point data links between all buildings
- Data connections between schools now had the capacity to handle vast amounts of network traffic.
 - During peak usage, bandwidth did not exceed 20% of capability (Few cars on the Interstate)
- Mobile devices are now used by staff and students.
 - Over 1,600 mobile devices use the wireless network daily. 80% of these devices were iPads

Where are we now?

- Introduction of 5Ghz A/C Wi-Fi in our schools (Faster speeds for A/C capable devices)
- Data connections between schools have seen a significant increase in network traffic.
 - 70% utilization (More cars on the Interstate!!!)
 - 2,200 Chromebooks deployed
 - 138 Security cameras installed at HCHS, CA, NMS, SMS, SHS, JEF, BGT
 - IP Paging Systems Deployed
- Mobile devices are now used by staff and students.
 - Over 3,800 mobile devices use the wireless network daily. 2,200 of these devices are Chromebooks
 - Over 60 teachers are now involved in 1:1

Where are we headed?

- Priority areas of focus:
 - Continue to scale infrastructure (wired and wireless) to meet demand
 - Upgrade Access Points as needed to ensure capability for our students and staff
 - Leverage E-Rate \$\$ to offset cost to district (E-Rate funded at 80% for FY17)
 - Continue to integrate Access control and security cameras for our school buildings
 - Continue to Maintain high speed dark fiber network (HMP&L) between all sites
 - Planning for construction projects.
 - Continue Expand use of wireless infrastructure

Where we are headed? (cont.)

- Priority areas of focus
 - 1:1 Implementation at SMS & NMS
 - A focus on [the people of K-12 EdTech](#)
 - Scaled staffing to meet the KDE staffing model (Technical and Instructional)
 - Focus on teacher support implementing technology in the classrooms.

Proposals to Maintain Support of Continued 1:1 Implementation

1. Add Network Administrator position to TSC Dept.
Position was approved by the board in 2016 but asked to postpone until 2017.
2. Add ½ time Digital Learning Coach at SMS & NMS to support teachers through the foundational years of full 1:1 implementation. (1 yr. contract with possible 1 yr. extension as determined)

Henderson County Schools - Digital Integration

