

Technology Update –5/23/2019

Telecom/Infrastructure

- Network Infrastructure Assessment- As a part of our tech planning process we performed a comprehensive assessment of our network infrastructure to account for short and long-term needs. Internetworking systems assessment is complete, long and short-range implementation plans are underway.

Work in Progress: Some of the short-range items have been completed and we continue to plan for the long-range items.

- Cybersecurity – Strengthening cybersecurity is always a priority for the district. We are currently investigating additional options for additional proactive and preventative solutions to protect against threats.

Work in Progress: The cybersecurity vendor dropped off the assessment equipment, it has been setup and data collection started as of 4/12/2019. *The first results have been reported and are under review.*

- TVSS project- The Transient Voltage Suppression System project will protect the networking equipment in the IDFs (Intermediate Distribution Frames).

Completed: This project has gone out to bid and the pre-bid walkthrough conducted on 10/17/18. Work was completed over winter break.

Technology and Software Deployment

- Hardware Deployment –
 - iPad Pilot- iPads have been provided to ELL, Early Learning, resource, speech and social workers in each elementary building.
Work in Progress: The Tech Planning Committee continues to investigate future application of the iPads in the district. We worked with Kathryn to investigate options for additional iPads at primary level to support various curriculum related apps such as Compass and new iPads have been deployed to support this initiative as of fall 2018.
 - Chromebook Initiative- 3rd-8th Grade Classrooms.
Completed: The 1:1 initiative is moving forward at 3rd grade currently at all schools.
 - Copier and Printers – The district copier/printer lease was renewed with Konica Minolta this year.
 - We are capturing data on savings that the Equitrac software has enabled us to realize. *Since the implementation of this print management solution fall 2013 we have saved 458,553 sheets of paper (28.66 trees) and \$14,860.61 in printer/copier fees.*
 - Summer Imaging Project – *New images are in development and preparation for the summer 2019 reimaging project of student devices is underway. This is the first year that staff will be keeping their devices over the summer for their committee and other summer work, all updates will be pushed out remotely to their devices.*
 - Hardware Recycling- Over winter break we recycled equipment that was approved for removal from the inventory.
Completed: Equipment was recycled over winter break 2018.
- PowerSchool – PowerSchool is our Student Information System from Pearson. PowerSchool also serves as our POS Lunch System (PowerLunch) and our grade book (PowerTeacher).
Completed: PowerSchool was upgraded to version 12 over winter break 2018, this new version includes many changes to Student Contacts that are requiring us to do some data clean-up and validation prior to the upgrade.
- Google Docs for Education- Free collaboration tool for schools
Completed: An orientation session was conducted for the 3rd grade 1:1 initiative.
- Hapara - A tool that will allow us to better leverage and manage Google Docs for Education.

- Hapara integrates with PowerSchool automatically adding students to teachers' folders and classes within Google. Hapara Teacher Dashboard has been deployed and the consultant has implemented scripts to synch PowerSchool teachers, classes and student rosters to Hapara. Staff training is complete. Created training materials and videos for new staff which can be accessed via the D105 website.

Work in Progress: We have rolled out the Hapara Teacher Dashboard to 3rd grade classrooms along with their 1:1 this fall.

- **Systems/Network Projects:**

- **SAN (Storage Area Network) Controller Upgrade-** A SAN controller upgrade is necessary to add redundancy for 3 locations.

Completed: Due to the age of our existing SAN and the cost associated with upgrading the controller we have currently priced replacement instead of upgrades and need to determine if it can be completed within this budget year or next. As of November 2018, we have completed the EMC storage project.

- **Backup System/DR (Disaster Recovery)** – Our current Falconstor backup solution, which is over 7 years old, experienced a system failure and has been partially phased out.

Completed: We moved forward with bringing the remote sites on board the new Veeam solution summer 2018, the project required additional SAN hardware which has been installed at our backup locations and our implementation of this project has been completed.

- **Switch Upgrades-** We upgraded the switches at Spring/Gurrie, Seventh and Ideal summer 2017. We have completed the switch upgrade at Hodgkins this summer (2018).

Completed: We worked with our eRate vendor and have completed the switch upgrades at Hodgkins.

- **Privacy Manager-** Education Framework's EdPrivacy Student Data Privacy Manager We are engaging with Education Framework and starting to use their EdPrivacy Student Data Privacy Manager which helps ensure that the software and websites our students are using are compliant with the Children's Online Privacy Protection Act and other student data privacy regulations.

Work In Progress: We continue to update EdPrivacy as we bring in new software and this information is available to parents via our website.

Curriculum and Instruction

- **PARCC/IAR** – ISBE updates regarding PARCC/IAR will be coming weekly from ISBE now through the end of the testing window.
- **ACCESS-** The first planning meeting was conducted 10/10/18 and updates from ISBE about the ACCESS testing are coming on a weekly basis now.
- **Technology Planning Committee** – Planning meetings for 2018-19 have been completed for the year. Our committee has made recommendations that were presented to the board April 2019
- **BrightBytes-** Data from this research based tool supports our tech planning process; the reports identify our strengths and gaps to help provide feedback to maximum impact on student achievement and growth.

Work In Progress: The collection window has now closed for the 2018-19 survey. Our new results are in, the district CASE score is up since our last data collection, and the Technology Planning Committee is using the results to shape our tech plan. We are in the process of implementing another BrightBytes component, called Learning Outcomes, that will give us data around frequency of use of our instructional technology throughout the district to help us better understand each technology program's impact on student learning.

Community Involvement

- **ConnectED Grant** – The district applied for and received the Sprint for ConnectED grant, which aims to close the digital divide by providing students without home internet access 3GB/month of free internet access at home.
 - District 105 is a recipient of the grant, and has been approved for up to 250 lines of service through 2020-21.
- **Parent Teacher Conferences (PTC) Software** – Online solution for parents to sign up for conference times.
 - Following the second set of conferences, a survey went out families to request feedback about the online conference software and feedback was overall positive. 80.91% parents responded they were “Satisfied” to “Extremely Satisfied” with the software and 85.45% felt the software was “Easy To Use”.
- **Online Registration-** The district is currently investigating online registration systems for potential implementation in 2020.

Work In Progress: A district team attended a vendor showcase on 2/19/2019 to learn about 5 different solutions that would integrate with, PowerSchool, current Student Information System. The team has recommended a vendor following our review of our 3 final vendor’s presentations on 3/15/19.
- **8th Grade Chromebook Buyout-** *Communication regarding the option for 8th grade families to buyout their Chromebook has been sent home.*