West Orange Public Schools

TECHNOLOGY

SUMMER UPDATE
August 26, 2019

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Network Infrastructure

Future Ready Indicator: Intranet/Internet Network Availability

* To support the increasing number of chromebooks and demand for Internet services, particularly video, the district's bandwidth tripled this year: 1 Gb → To 3 Gb Ethernet Connection

* Installation of Back-Up Firewall (Failover)

* Upgrade of 3 district servers

Future Ready

* Kelly Elementary School --Bronze Certification
* Submission is under review by [FRSNJ](#) (Future Ready Schools NJ)
* Schools will be notified in September
* District Future Ready Committee to meet once districts are notified
* Awards will be presented at NJSBA Conference in October

1:1 Chromebook Initiative

Two-Year Plan: Move to Chromebook Carts in Middle Schools

* 2019-2020
    * Edison Middle School
        * Chromebook carts in every classroom
        * Loaner Inventory (HP Chromebooks) for student home use
    * Liberty and Roosevelt -- Maintain 1:1 Take Home, 20% Back-Up Inventory
    * Elementary Schools --1 Chromebook cart in Library Media Center

1:1 Chromebook Initiative

Two-Year Plan: Move to Chromebook Carts in Middle Schools

* 2020-2021
  * Liberty and Roosevelt -- Purchase new carts and chromebooks
  * WOHS
    * No chromebook collection at the end of school year
    * Technology Department will provide technology support to WOHS students during scheduled summer hours

1:1 Chromebook Initiative

Summer 2019

* WOHS
    * 2100 new Lenovo chromebooks (distribute replaced units to K-8)
    * 200 existing Lenovo chromebooks (<1-year old units, insurance replacement) *USB C
* Edison Middle School
    * 700+ Acer chromebooks (existing inventory)
    * HP Loaners (1-YO units) for students to borrow for home use
* Liberty and Roosevelt MS -- 500+ Units, 20% back-up inventory

1:1 Chromebook Initiative

Distribution Schedule

* WOHS
  * August 27-29
    * Freshman Orientation, Athletics, Band
    * Available pick-up time for other students
  * September 4-5 (Tarnoff Gym -- Phys Ed Class)
* Roosevelt/Liberty Middle Schools
  * Friday, September 6

Computer Labs/Classroom Desktops

* New Desktops-- Computer Labs
  * Business Education -- 3 Labs
  * Tech Ed -- 1 Lab
  * Math Department -- 1 Lab
* Desktops replaced with new units will be used in computer labs that have obsolete desktops
* We are currently assessing all the desktops in the district to determine performance and Windows 2010 compatibility -- 800 units are obsolete

Faculty Laptops

* Purchased 400 new faculty laptops this summer
  * Currently preparing for distribution with following priority:
    * New Staff
    * Edison Middle School
* Teachers with new laptops will have a docking hub set up in classroom to directly connect laptop to printer and projector

Copiers and Printers

Copiers (MFDs)

* RFP during summer
* 2 Awards: Copiers and Printers
* Sharp machines to be replaced by Ricoh Copiers
* Deployment and training will be phased in -- one building at a time, starting with Central Office
* PaperCut will be installed on our network/MFDs
    * Print Management Software that will provide secure printing and keep track of all printing jobs

Copiers and Printers

Printers: Management of Networked, Non-Networked Printers (Local)

* Print Management Services will move from Sharp to United Business Systems -- UBS will be visiting all schools to label the networked printers
* Goal: Centralized print management services
* Challenge: District has over 300 Non-Networked Printers
* Objective: Attain 100% Inventory of Networked Printers
    * Phase 1: Equip WOHS with 100% Networked Printers
    * Audit all administrative offices to determine printer/staff ratio
    * Determine feasibility/cost of maintaining current printer inventory

Copiers and Printers

Printer: Management of Networked, Non-Networked Printers (Local)

* Quarterly snapshots/reports will provide district/school usage/cost
* Where feasible, based on reports, printers may be replaced with existing or additional copiers to reduce overall cost of printing equipment and supplies

District Website Redesign

* RFP (Request for Proposal) this summer
* 6 vendor submissions
* District Website Redesign Committee to convene in September
* Survey: Parents/Community, Faculty