

Technology Update - Spring 2008

District Goal- To enhance and integrate technology into instruction with hardware, software and professional development opportunities.

Hardware & Software Upgrades and Professional Development Activities 2007/2008

<p>Village School</p> <ul style="list-style-type: none"> • 52 classrooms received a total of 79 new desktop PCs replacing 7-9 year old models • 23 LCD 37" TVs w/combo DVD/VHS players donated by the PSA for grades K-3 • 7 Tablet PCs with LCD multimedia projection carts donated by the PSA for classroom use in grades 1-3 • 6 Tablet PCs w/projectors (HFEE donation) • Ceiling mounted LCD multimedia projection systems in libraries donated by the PSA • 10 classroom printers donated by the PSA • Kindergarten Literacy Software New Adventures of Buggles & Beezy (HFEE) 	<p>Holmdel High School</p> <ul style="list-style-type: none"> • 42 classrooms received a total of 110 new desktop PCs replacing 7-9 year old models • SmartBoard installed in the upper library computer lab • Web development computer lab in room 142 received new PCs • 7 science rooms each received 7 new PCs • 8 PCs added to the lower library to improve student access • 5 Tablet PCs w/projectors (HFEE donation) • 6 unit notebook cart (M.C.I.A) • TV Studio received VT5 and Edius upgrades • Math/Science added two Elmo doc. cameras
<p>Indian Hill School</p> <ul style="list-style-type: none"> • 12 fourth grade classrooms received new desktop PCs replacing 7-9 year old models • 4 sound field classroom systems added • 3 Tablet PCs w/projectors (HFEE donation) • 8 Notebooks added • 1 Tablet PC (HCAA donation) • One Elmo document camera/presentation cart • Learnia online classroom assessment pilot 	<p>W.R. Satz School</p> <ul style="list-style-type: none"> • 40 classrooms received a total of 43 new desktop PCs replacing 7-9 year old models • 14 unit notebook cart donated by the HFEE • 6 Tablet PCs w/projectors (HFEE donation) • 4 notebooks added to carts-HFEE donation • Datacenter placed on emergency back up generator • Learnia online classroom assessment pilot
<p>District</p> <ul style="list-style-type: none"> • Email messaging upgraded to Outlook/Exchange Server 2007 • Moodle electronic classrooms launched • SharePoint intranet launched • 2nd VMware server installed • E-Alert listserv made available from district website • Online job application system launched • Email archival capability and backup capacity increased 	<p>Professional Development</p> <p>Classes on the following were offered through professional development days, before/after school or release time sessions.</p> <ul style="list-style-type: none"> • AppliTrack online job application system • Clicker & Kurzweil software • Internet Scavenger Hunt • Learnia • Moodle for Jr./Sr. high school use • MS Excel for office staff • MS Outlook 2007 & MS SharePoint (Intro) • MS PowerPoint for teachers • Podcasting, PowerGrade & Skills Tutor • SmartBoard for Grades K-3 • SNAP database for nurses • SynchronEyes • Systems 3000 fund accounting system • Tablet PC (Intro) & Advanced w/OneNote

Noteworthy Uses of Technology in the Classroom

There has been a general increase in demand for presentation capability throughout the district, including requests for LCD projectors, document cameras and wall mounted television displays.

There has also been a slight increase in the use of scanning documents to PDFs for posting online or to reduce the amount of paper consumed.

Finally there has been an increase in the number of request for mobile solutions and wireless connectivity. Localized wireless hotspots and a distribution of notebooks and Tablet PCs have gained the interest of our next wave of teachers as they prepare themselves to accept and integrate these new technologies.

Village School:

This past year (2007/2008) greatly transformed the technology environment at Village School. Thanks to very generous donations from the PSA and HFEE classrooms were outfitted with either a 37" LCD display or a LCD projection cart. Both solutions are capable of displaying from DVD/VHS or PC input sources.

Obsolete computers were replaced and the kindergarten and first grades became consistent with the rest of the district by adopting the PC computing platform.

Indian Hill School:

This year saw an increase in the use of items such as flatbed scanners, Elmo document cameras and activities such as web quests.

Indian Hill continued to expand its deployment of sound field technology and now approaches 50% classroom coverage.

W.R. Satz School:

Several teachers have created electronic classroom environments with Moodle. It offers a collaborative environment for the class and it is available both at school and from home. Some teachers also use Moodle for posting, collecting and assessing assignments.

The HFEE donated a new 14-unit mobile wireless notebook computer lab adding to the two 10-unit carts they donated in 2005. Teachers conduct group activities or improve student access to online research by reserving use of the carts online through the district's SharePoint intranet.

Holmdel High School:

The high school also has its share of teachers using Moodle as a collaborative electronic classroom environment and for hosting active online forums.

The web design class developed websites for ElderCare and Bayonet Farm as part of their semester's coursework. It was a great way to introduce students to the concept of the business client relationship.

The business class conducted video conference with a former Microsoft employee/developer. Using and inexpensive webcam and free Skype video call service, students were able to exchange and discuss ideas via distance learning.

The high school's world languages department led the way in creating the district's first podcasts.

Planned Technology Related Activities for 2008/2009

<p>Village School</p> <ul style="list-style-type: none"> • Add two more sound field systems • Purchase or develop lessons that will aid teachers in meeting the tech literacy requirements of NJTAP-IN. 	<p>Indian Hill School</p> <ul style="list-style-type: none"> • Add five more sound field systems (3-PLG) • Add (10) 37" LCD Displays to 4th grade classrooms • Replace PCs in room 130 Comp lab (PLG) • Replace 14 PCs in room 129 Comp Lab • Purchase or develop lessons that will aid teachers in meeting the tech literacy requirements of NJTAP-IN.
<p>W.R. Satz School</p> <ul style="list-style-type: none"> • Replace 8 year old 24 unit notebook cart (summer 2009) • Purchase or develop lessons that will aid teachers in meeting the tech literacy requirements of NJTAP-IN. 	<p>Holmdel High School</p> <ul style="list-style-type: none"> • Add 6-8 more PCs and presentation system to the lower library • Replace 24 desktops in the upper library 8/09 • Purchase or develop lessons that will aid teachers in meeting the tech literacy requirements of NJTAP-IN.
<p>District</p> <ul style="list-style-type: none"> • Upgrade student management system to PowerSchool Premier with its browser base gradebook (summer 2008) • Provide 2,400 student email accounts (HFEE) • Implement storage area network for shared storage (summer 2009) • Update curriculum to reflect use of technology integration 	<p>Professional Development</p> <ul style="list-style-type: none"> • Disseminate State expectations related to Technology Assessment for Proficiency and Integration • Conduct sessions that will develop teacher skills so they may implement technology rich lessons that in turn will meet the NJTAP-IN requirements • Leverage lesson and activity repository within district SharePoint intranet. Begin promoting its use.

Integration into instruction: Targeted updates related to technology literacy were greatly impacted by the lack of funding resulting from a defeated separate question in April of 2007, however Holmdel curriculum articulation is enhanced by the [Crosswalk of NJ Core Curriculum Content Standards and the NJCCCS for Technology Literacy](#).