

# Technology Update

February 24, 2010

# **DISTRICT/SUPERINTENDENT GOALS 2009-2010**

## **GOAL # 2 TECHNOLOGY**

*To continue to enhance and integrate technology into instruction with hardware, software and professional development opportunities*

# Director of Technology - Goal #1

*To participate in the production of the 2010-2013 three year district technology plan.*

- While waiting for the State to come out with their specifications for the next three-year plan, an updated draft was produced to satisfy e-rate application requirements.
- Faculty members were then recruited for the 3-year technology planning committee and the first meeting was held in early December.
- The planning committee has been meeting monthly. Needs assessment surveys have been developed and are in the process of being administered to staff and students.

# Director of Technology - Goal #2

*Areas of input to include technology overview, cyber-safety, need assessment, goals and objectives and funding plan.*

- These are ongoing activities.
- Cyber-safety resource hyperlinks have been on the Holmdel web site, but additional links were also e-mailed to the faculty of all four schools in December.
- Results of online staff and student surveys are being gathered and analyzed.
- The Network Technology Department's budget has been submitted for board approval.

# Director of Technology - Goal #3

*To support the principals and elementary schools with the rollout of TechSteps.*

- The first couple of months, grade 3-8 teachers were focused on the formative assessment called Learnia.
- Tech Steps has been slow to catch traction. The reasons for this are being investigated.
- Progress being made in the development of student portfolios.

# Director of Technology - Goal #4

*To support the supervisors, principals and schools with student online assessment using Learnia.*

- Our staff's knowledge and comfort level, along with the approach taken toward administering this assessment, is more mature.
- Susan Alston has spearheaded this online formative assessment project and along with the staff, deserves all the credit for its success and student benefits.
- As a result of this collaboration Holmdel has become a member of the Learnia Leadership Advisory Group for the State of New Jersey.

# Director of Technology - Goal #5

*To collaborate with principals regarding the use of resources like TechSteps and SkillsTutor in order to further differentiated instruction and to advance instruction by appealing to the visual and tactile learners alike.*

- TechSteps is a series of standards-based technology integration projects spanning various content areas and grade levels K-8. Adoption has been slow or limited.
- SkillsTutor and Study Island are modular online subscriptions that include question banks to identify deficiencies and prescribe appropriate lessons. Individualized instruction, diagnostic testing, prescriptive assignments and reporting are incorporated. It is complementary to Learnia.
- EdAnalyzer is an online data source utilized by supervisors and principals in professional learning communities to differentiate instruction.

# Director of Technology - Goal #5

(Continued)

*To collaborate with principals regarding the use of resources like TechSteps and SkillsTutor in order to further differentiated instruction and to advance instruction by appealing to the visual and tactile learners alike.*

- The collaboration between maintenance and network technology departments helped the district surpass the expectation of mounting 14 LCD projectors. Twenty-nine LCD projectors will be ceiling mounted by the end of this spring. This engaging technology appeals to the visual learner.
- All 5<sup>th</sup> and 6<sup>th</sup> grade classrooms have 3 or more student PCs
- 3+ Student PC classrooms @ HHS-13, SATZ-9 & VILLAGE-5

# Director of Technology - Goal #6

*To collaborate with the administration and area supervisors to increase awareness related to technology infusion when writing, updating, or implementing content area curriculum. Promoting the new NJCCCS and Common Core States Standards and raising awareness of how it speaks to technology infusion throughout the content areas and the 21st century resources now available.*

- Ongoing activity as curriculum is revised.
- Curriculum recently inspected by (QSAC) Quality Single Accountability Continuum
- Positive feedback from QSAC field observations

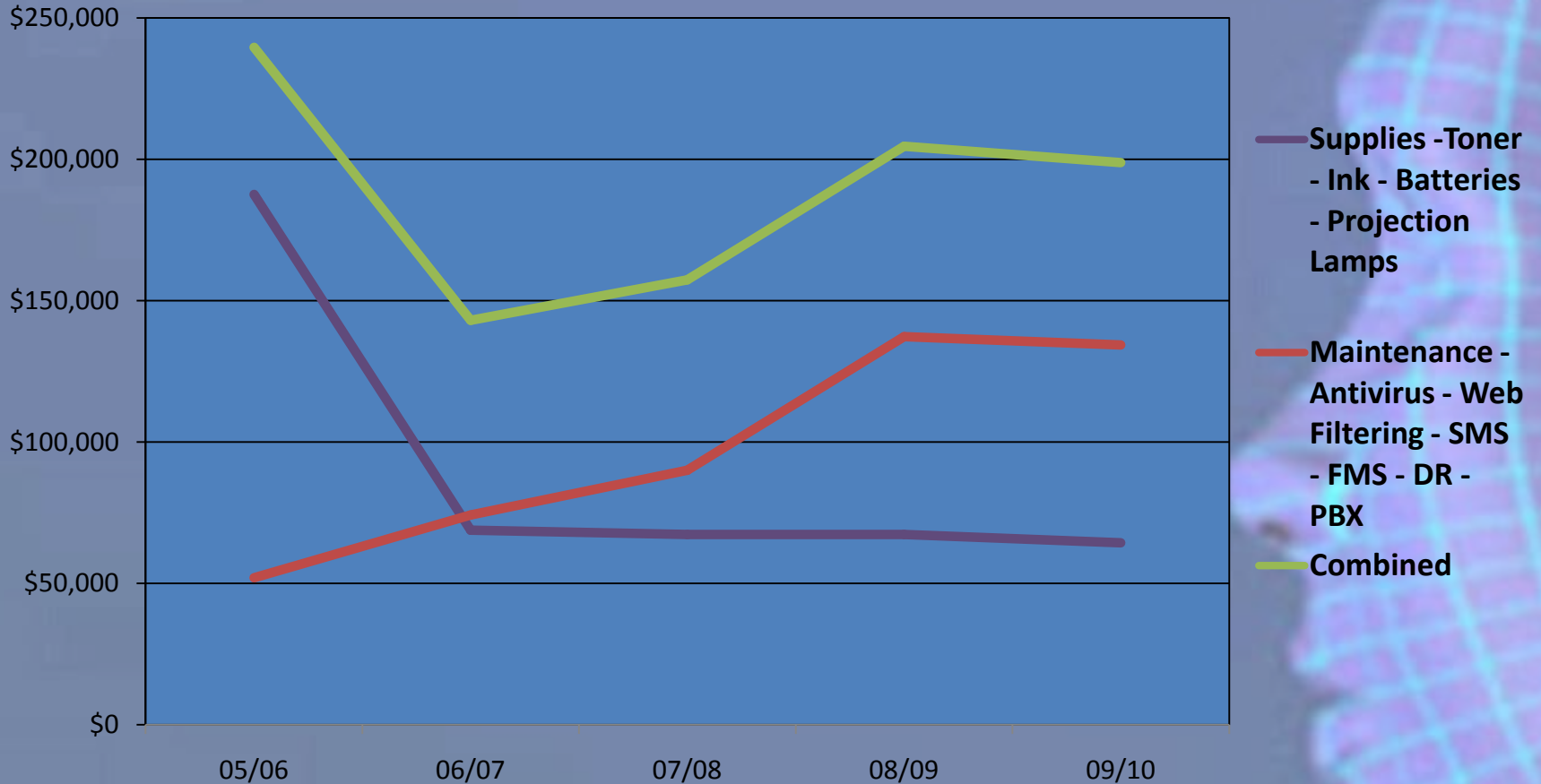
# Director of Technology - Goal #7

*To collaborate with the administration on lesson planning reform so that the district can be assured that there is evidence of technology infusion.*

- Technology now an integral part of teacher observations and lesson planning.
- Evidence of student technology literacy documented in the form of an annual assessment or electronic examples or hard copies of student work being placed into student portfolios.

# Budget Trends

## Supplies vs. Maintenance



	05/06	06/07	07/08	08/09	09/10
Supplies	\$187,638	\$68,885	\$67,295	\$67,331	\$64,410
Maintenance	\$52,033	\$74,226	\$90,101	\$137,300	\$134,419
Combined	\$239,671	\$143,111	\$157,396	\$204,631	\$198,829

# 2009/2010 STATUS & DEPLOYMENT PROGRESS

## (including M.C.I.A. & ARRA Funded Purchases)

	New PCs in 2009/2010	Ceiling Mount Projector Installations	Sound Field System Installations in 2009/10	Wireless Coverage	37" & 42" LCD TVs
Village School	31 Desktops 14 Notebooks 1 Tablet PC	Six	Eight 50%	>50%	Eight 37"+ Four 42"
Indian Hill School	64 Desktops 16 Notebooks 1 Tablet PC	Two	Six 90%	>50%	Five
W.R. Satz School	42 Desktops 14 Notebooks 1 Tablet PC	Three	Five >50%	>95%	One
Holmdel High School	94 Desktops 2 Notebooks 14 Tablet PCs	Eighteen	Eight 12%	>80%	One

# 08/09 NJ School Report Card Data

## Holmdel High School

<u>Student/Computer Ratio</u>		
Numbers of students per instructional, multi-media-capable computer, available for the purposes of supervised instruction.		
	School	State Average
2008-09	5.9 → 4.37 *	3.1
2007-08	6.0	3.3
2006-07	4.0	3.4

<u>Internet Connectivity</u>		
Numbers of instructional, multi-media-capable computers by location and how many have a connection to the Internet.		
2008-2009		
Locations	Computers	Computers Connected to the Internet
Classroom/ Instructional	71 → 136 *	71
Library/Media Centers	30 → 27 *	30
Computer Labs	83 → 80 *	83
All Locations	184 → 243 *	184

## William R. Satz School

<u>Student/Computer Ratio</u>		
Numbers of students per instructional, multi-media-capable computer, available for the purposes of supervised instruction.		
	School	State Average
2008-09	2.8 → 4.87 *	3.3
2007-08	7.8	3.6
2006-07	5.2	3.5

<u>Internet Connectivity</u>		
Numbers of instructional, multi-media-capable computers by location and how many have a connection to the Internet.		
2008-2009		
Locations	Computers	Computers Connected to the Internet
Classroom/ Instructional	110 → 33*	110
Library/Media Centers	55 → 49 *	55
Computer Labs	31 → 30 *	31
All Locations	196 → 112 *	196

# 08/09 NJ School Report Card Data

## Indian Hill School

<u>Student/Computer Ratio</u>		
Numbers of students per instructional, multi-media-capable computer, available for the purposes of supervised instruction.		
	School	State Average
2008-09	5.9 → 4.55 *	3.3
2007-08	5.9	3.6
2006-07	4.9	3.5

<u>Internet Connectivity</u>		
Numbers of instructional, multi-media-capable computers by location and how many have a connection to the Internet.		
	2008-2009	
Locations	Computers	Computers Connected to the Internet
Classroom/ Instructional	70 → 92 *	70
Library/Media Centers	12 → 11 *	12
Computer Labs	54 → 68 *	54
All Locations	136 → 171 *	136

## Village School

<u>Student/Computer Ratio</u>		
Numbers of students per instructional, multi-media-capable computer, available for the purposes of supervised instruction.		
	School	State Average
2008-09	10.2 → 7.99 *	3.3
2007-08	12.8	3.6
2006-07	7.2	3.5

<u>Internet Connectivity</u>		
Numbers of instructional, multi-media-capable computers by location and how many have a connection to the Internet.		
	2008-2009	
Locations	Computers	Computers Connected to the Internet
Classroom/ Instructional	17 → 51 *	17
Library/Media Centers	17 → 13 *	17
Computer Labs	54 → 52 *	54
All Locations	88 → 116 *	88

# Next Steps

- Continue to support technology infusion  
(e.g. Future New World Language Lab donated by the [H.F.E.E.](#))
- Continue to promote responsible and ethical uses of technology and safe online behavior
- Continue to expand computer and network access
- Continue to enhance teacher skills through a variety of professional development offerings
- Continue to promote and expand use of Web 2.0 applications and cloud computing.
- Leverage collaborative capabilities of Microsoft's Live@Edu and Google Docs
- Continue to implement best practices, while finding innovative ways to do more with less.