Technology Update
April 28, 2011

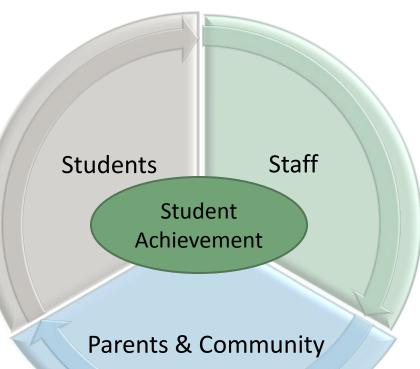# DISTRICT/SUPERINTENDENT GOALS 2010-2011

GOAL # 2 TECHNOLOGY
To continue to enhance and integrate technology into instruction with hardware, software and professional development opportunities

Integration of Technology

Students
- TechSteps @ Village
- United Streaming
- First In Math
- Study Island
- Assistive Tech
  - Kurzweil
  - DraftBuilder
  - Co-Writer
- Turnitin
- Cyber-bullying Assemblies
- TV Production Studio
- Graphic Arts Lab @ HHS
- Web Development Lab
- Tech Literacy Lab @ Satz
- World Language Lab

Staff
- Professional Development
- New Tech Prof. Dev. Website
- Learnia (Student Assessment Tool)

Parents/Community
- Parents/Community
- PowerSchool/Parent Portal
- District Website

Students | **Staff**
Student Achievement
Parents & Community

WHAT'S HOT 🔥
in Holmdel Tech?

IPEVO DOCUMENT CAMERA

SMART RESPONSE PE
STUDENT RESPONSE SYSTEM

WHAT'S HOT 🔥 in Holmdel Tech?

Google docs

- ❑ Improves collaboration
- ❑ Paperless classroom (almost)
- ❑ Access to documents at home
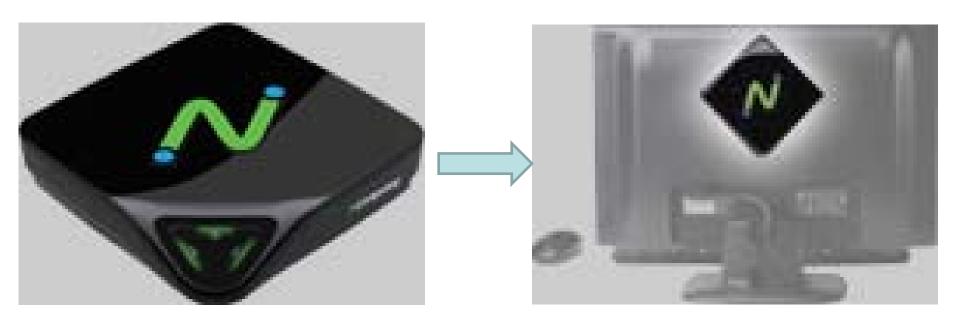- ❑ Compatible with personal devices when used in conjunction with wireless guest network

Mrs. MacConnell's Classroom Blog

Brain POP

Village School Parent and Student Site

Holmdel is a WiFi ZONE

- ❑ BRING IN YOUR PERSONAL PC
- ❑ SAFE INTERNET BROWSING
- ❑ IMPROVES ACCESS TO TECH

THIN CLIENTS COMPLEMENT TRADITIONAL PCs
Improves Access and User Experience

Cost: TC $ 580 vs. PC $ 1,049

Power Consumption: 5w vs. 240w

Windows 7 Pro vs. Windows XP Pro

No Moving Parts, No Noise & No Heat

Eases transition from Windows XP to Windows 7

Accelerates retirements & replacements

Replacing (114) 8-year old computers this year

NJ School Report Card
2009-2010 Data

HOLMDEL HIGH SCHOOL

Student/Computer Ratio			
Numbers of students per instructional, multi-media-capable computers, manufactured after July 1, 2006, available for use in supervised instruction.			
	School	Projected 10/11	State Average
2009-10	5.8	4.6	3.1

W. R. SATZ SCHOOL

Student/Computer Ratio			
Numbers of students per instructional, multi-media-capable computers, manufactured after July 1, 2006, available for use in supervised instruction.			
	School	Projected 10/11	State Average
2009-10	7.0	4.3	3.6

HOLMDEL HIGH SCHOOL

Internet Connectivity		
Numbers of students per instructional, multi-media-capable computers, manufactured after July 1, 2006, available for use in supervised instruction.		
	2009-2010	
School	Computers	Computers Connected to the Internet
Classroom/Instructional	76	76
Library/Media Centers	27	27
Computer Labs	79	79
All Locations	182	182

W. R. SATZ SCHOOL

Internet Connectivity		
Numbers of students per instructional, multi-media-capable computers, manufactured after July 1, 2006, available for use in supervised instruction.		
	2009-2010	
School	Computers	Computers Connected to the Internet
Classroom/Instructional	18	18
Library/Media Centers	20	20
Computer Labs	40	40
All Locations	78	78

NJ School Report Card
2009-2010 Data

INDIAN HILL SCHOOL

Student/Computer Ratio			
Numbers of students per instructional, multi-media-capable computers, manufactured after July 1, 2006, available for use in supervised instruction.			
	School	Projected 10/11	State Average
2009-10	8.4	5.6	3.6

VILLAGE SCHOOL

Student/Computer Ratio			
Numbers of students per instructional, multi-media-capable computers, manufactured after July 1, 2006, available for use in supervised instruction.			
	School	Projected 10/11	State Average
2009-10	12.8	9.6	3.6

INDIAN HILL SCHOOL

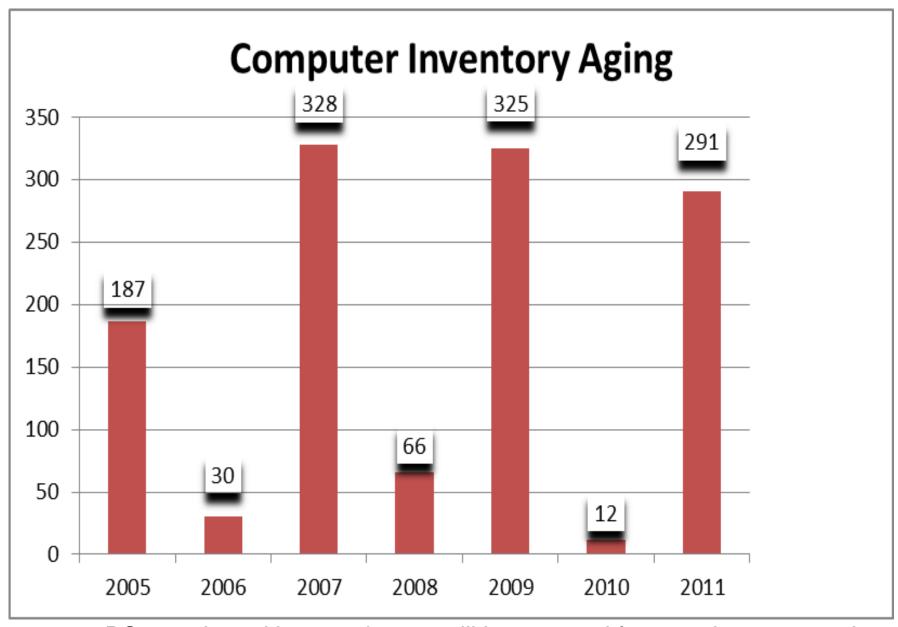| Internet Connectivity		
Numbers of students per instructional, multi-media-capable computers, manufactured after July 1, 2006, available for use in supervised instruction.		
	2009-2010	
School	Computers	Computers Connected to the Internet
Classroom/Instructional	24	24
Library/Media Centers	0	0
Computer Labs	68	68
All Locations	92	92

VILLAGE SCHOOL

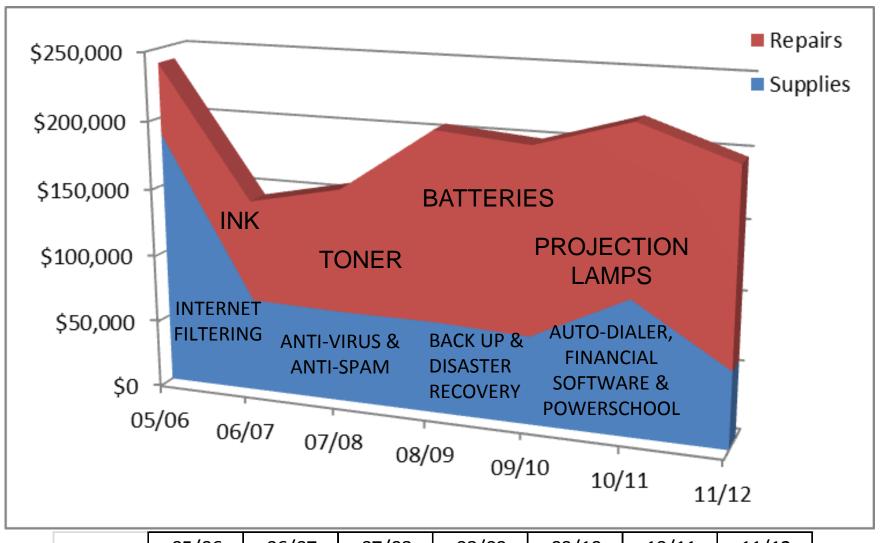| Internet Connectivity		
Numbers of students per instructional, multi-media-capable computers, manufactured after July 1, 2006, available for use in supervised instruction.		
	2009-2010	
School	Computers	Computers Connected to the Internet
Classroom/Instructional	21	21
Library/Media Centers	0	0
Computer Labs	50	50
All Locations	71	71

Computer Inventory Aging

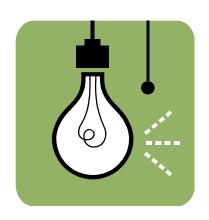| Year	Count
2005	187
2006	30
2007	328
2008	66
2009	325
2010	12
2011	291

114 PCs purchased in 2003 & 2004 will be removed from our inventory and replaced with new thin clients this summer.

BUDGET EXPENDITURES
Supplies vs. Repairs

	05/06	06/07	07/08	08/09	09/10	10/11	11/12
Supplies	$187,638	$68,885	$67,295	$67,331	$64,410	$98,540	$55,696
Repairs	$52,033	$74,226	$90,101	$137,300	$134,419	$120,809	$140,427

Cost Savings

- PC auto-shutdown at scheduled afternoon times is like turning off a 150,000 watt light bulb.

- Converting building-to-building network circuits from private lines to Verizon Business FiOS VPN saves $20,000 per year.

- Emphasis on print savings
  - Printing B&W and double-sided in draft mode or scan-to-email
  - Printing to networked photocopiers

2011/2012 DEPLOYMENT PLANS & PROGRESS
(including budget and capital pooled lease purchases)

	New PCs	Ceiling Mount Projector Installations	Sound Field System Installations	Wireless Coverage	Thin Clients
Village School	1 Desktop 4 Notebooks 0 Tablet PC	Zero	10 49%→68%	>50%	0
Indian Hill School	10 Desktops 1 Notebook 0 Tablet PC	Three	Three 84%→91%	>50%	66
W.R. Satz School	38 Desktops 3 Notebooks 0 Tablet PC	Five	Four 61→72%%	>95%	48
Holmdel High School	83 Desktops 16 Notebooks 0 Tablet PCs	Thirteen	Seven 33%→43%	>95%	30 Future

Assistive Listening Devices Sound Field Systems:

Small Group Instruction Rooms not included in counts or calculations

	Sound Field Systems	Total Rooms	Rooms Remaining	Planned 2011 Installs	% Coverage 2011
HHS	23 (33%)	70	47	7	43%
SATZ	24 (61%)	39	15	4	72%
IHS	37 (84%)	44	7	3	91%
VILL	26 (49%)	53	27	10	68%

TRENDING NOW
(Virtualization, Web 2.0, Cloud Computing, etc.)

- **Server Virtualization-** 35 physical & 15 virtual

  (saves space, energy, A/C and improves efficiency & management)

- **Desktop Virtualization-** a combination of Citrix XenApp published applications & remote access

- **Cloud Computing**

  - Email Archival & E-Discovery move to the cloud in 2011

  - PowerSchool - more cost effective in-house

  - Email-piloted 2010, but lacked features and migration tools – likely move to Microsoft Live@EDU to coincide with next release of Exchange Server or server hardware refresh.

  - Google Apps- less paper, student file storage, anytime anywhere access and collaboration capability.

VISIT OUR WEBSITES, WIKIS AND BLOGS

THANK YOU

QUESTIONS?