Holmdel Twp. Public Schools

Technology Update
April 24, 2013

Anthony Gattini
Director of Technology

GOAL # 4 Technology - To Expand the Use of Technology to Support Instruction

1. Technology Committee to produce the 2013-2016 Three Year Technology Plan

2. To implement Power School's Parent Portal at Indian Hill School allowing parents real-time snapshots of their children's progress and allow for early intervention, as needed

3. To prepare for impending on-line statewide assessments:

    - Evaluate, purchase and implement new district-wide Internet content filtering technology that will accommodate and support personal and district-owned Wi-Fi e-readers, iOS and Android devices

    - Purchase and implement a new wireless infrastructure at Village School and configure a separate wireless guest device network to support Wi-Fi readers, iOS and Android devices

Progress in Key Areas

Sound Field Systems

Almost 100% effective coverage in large group instruction rooms.

Visual Classrooms

Ongoing installations of ceiling mounted LCD projectors.
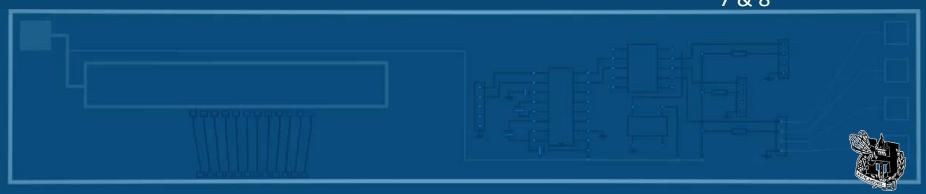
Instruction

Caren MacConnell
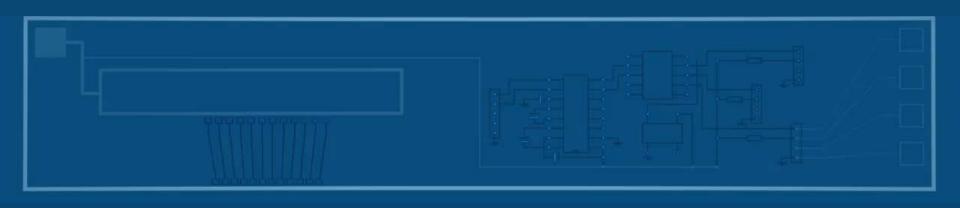
Technology Coach @ Village and Indian Hill

Christen Rillo

Tech Ed. 3-week cycle of technology literacy in grades 7 & 8

STUDY ISLAND

- Web-based instruction, practice, assessment and reporting built from Common Core State Standards
- Utilized mostly in grades K through 8
- Math and Reading modules
- Two benchmarks given this year in grades 3-8
- Supported by elementary technology coach and Satz media specialist
- Helped students achieve A.Y.P.

Assistive Technology

- 100% Effective Classroom Coverage
- Integration with presentation systems enhances audience experience
- Future needs will be battery and parts replacement and repair rather than expansion

SOUND FIELD SYSTEMS 2013			
Village	Indian Hill	W.R. Satz	Holmdel H.S.
48	38	33	48

- Kurzweil 3000 Web Edition text to speech now includes home use
- Continuing Professional Development
- 20 Apple iPads with Apps in use

Student : Computer Ratio

HOLMDEL HIGH SCHOOL		
Student / Computer Ratio		
Numbers of students per instructional, multi-media capable computers, manufactured after July 1, 2008, available for use in supervised instruction.		
	School	Est. State Average
2013-2014	3.7*	3.1

* Down from 4.6

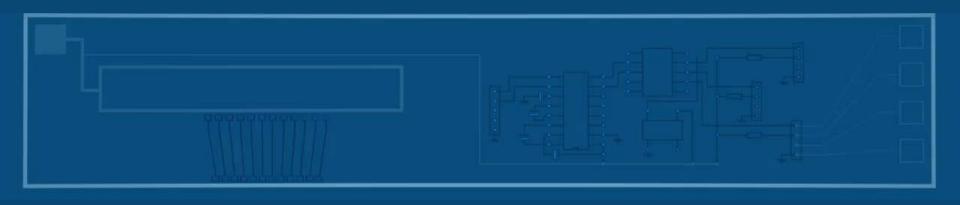| W. R . SATZ SCHOOL		
Student / Computer Ratio		
Numbers of students per instructional, multi-media capable computers, manufactured after July 1, 2008, available for use in supervised instruction.		
	School	Est. State Average
2013-2014	3.6	3.6

* Down from 4.3

Student : Computer Ratio

INDIAN HILL SCHOOL

Student / Computer Ratio

Numbers of students per instructional, multi-media capable computers, manufactured after July 1, 2008, available for use in supervised instruction.

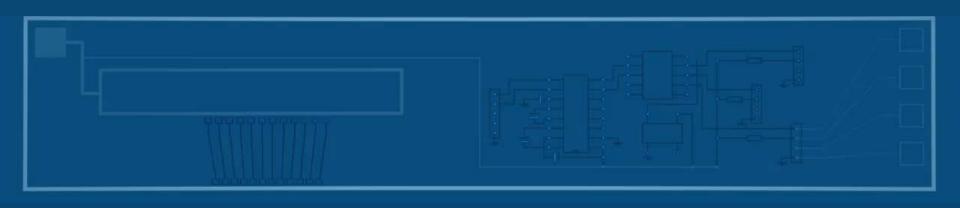|	School	Est. State Average
2013-2014	4.0*	3.6

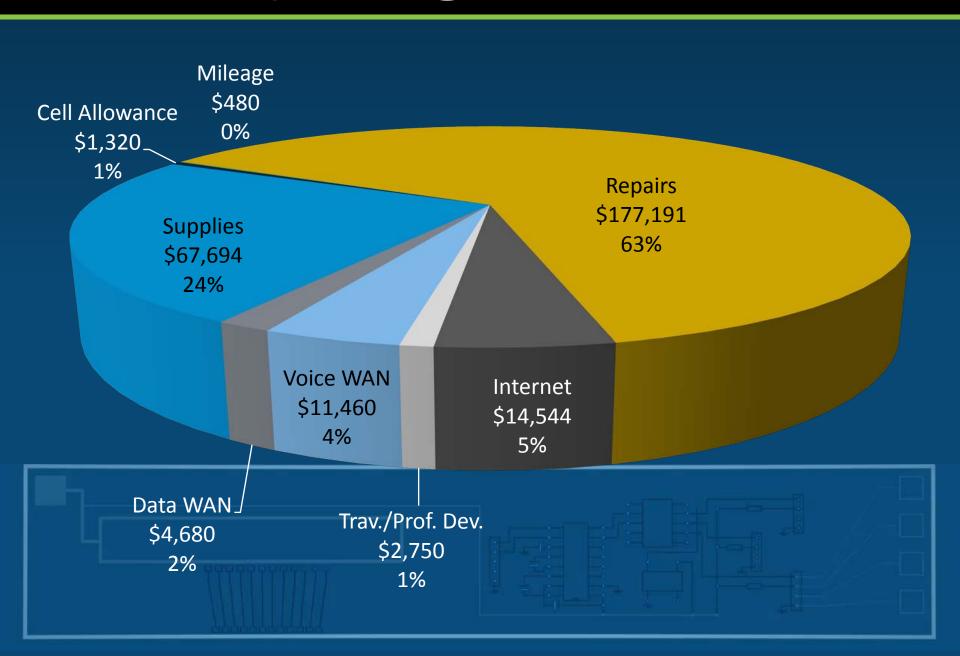* Down from 4.6

VILLAGE SCHOOL

Student / Computer Ratio

Numbers of students per instructional, multi-media capable computers, manufactured after July 1, 2008, available for use in supervised instruction.

	School	Est. State Average
2013-2014	6.1*	3.6

* Down from 8.5
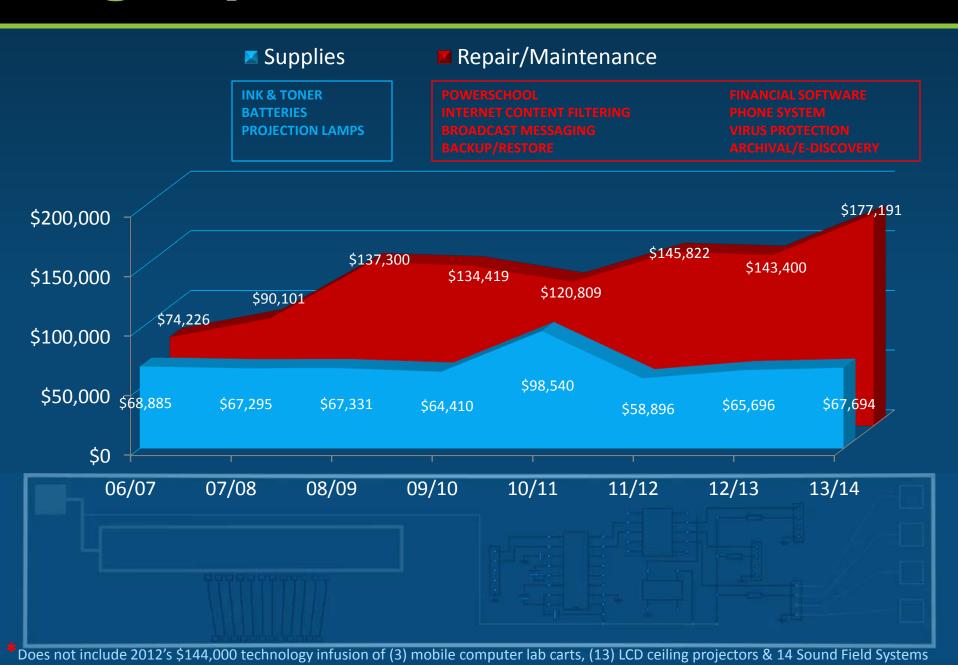
2013/14 Budget Breakdown

Budget Expenditures

Legend:
- Supplies
- Repair/Maintenance

Supplies:
- INK & TONER
- BATTERIES
- PROJECTION LAMPS

Repair/Maintenance:
- POWERSCHOOL
- INTERNET CONTENT FILTERING
- BROADCAST MESSAGING
- BACKUP/RESTORE
- FINANCIAL SOFTWARE
- PHONE SYSTEM
- VIRUS PROTECTION
- ARCHIVAL/E-DISCOVERY

Year	Repair/Maintenance	Supplies
06/07	$74,226	$68,885
07/08	$90,101	$67,295
08/09	$137,300	$67,331
09/10	$134,419	$64,410
10/11	$120,809	$98,540
11/12	$145,822	$58,896
12/13	$143,400	$65,696
13/14	$177,191	$67,694

*Does not include 2012's $144,000 technology infusion of (3) mobile computer lab carts, (13) LCD ceiling projectors & 14 Sound Field Systems

2013-2016 Tech Plan (Draft) Focus Items

VILLAGE SCHOOL	INDIAN HILL SCHOOL
1. Standardized keyboarding program with benchmarks (evidence) 2. Standardized projects for portfolios highlighting necessary programs (evidence) 3. Clear guidelines for teachers to help integrate technology into curriculum (technology teachers?) 4. Immediate computer curriculum for teachers to guide them in the lab to get their students ready for PARCC (this will be done grades 2-6 to ensure no gaps moving forward) 5. PD to make teachers more comfortable with new tech curriculum and technology in general.	1. Standardized Keyboarding program 2. Immediate Computer curriculum for teachers to guide them in the lab to get their students ready for PARCC (this will be done 2-6 to ensure no gaps moving forward) 3. Computer curriculum that will integrate technology into existing curriculum. 4. PD to make teachers more comfortable with new curriculum and technology in general.

2013-2016 Tech Plan (Draft) Focus Items

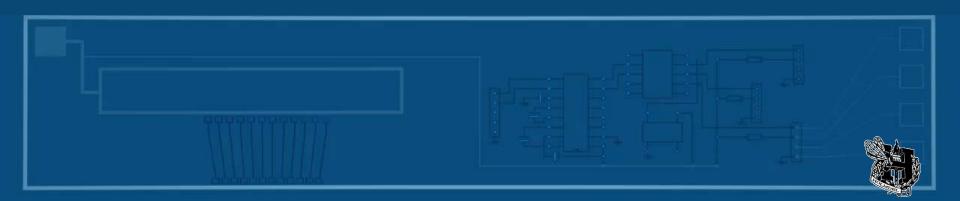| WILLIAM R. SATZ SCHOOL	HOLMDEL HIGH SCHOOL
1. Institute E-portfolios (doesn't have to be Docs, but could be - maybe use gClass Folders to distribute and set up sharing permissions; or maybe using Sites to have each kid create a Sites page for each year and post items appropriate for each skill/grade level) 2. Work out with departments what project(s) they would contribute to e-portfolios, which tech rubric items they would be able to check within each project 3. Discuss & update tech orientation for students	1. Continue training for Google Drive & Google Sites 2. Adequate computer work stations for the PARCC assessment coming in the future. 3. PD to help teachers integrate and use various forms of tech within classroom/lessons.

PARCC What is It?

- Partnership for the *Assessment* of Readiness for College and Careers
- 24 state consortium
- PARCC's next-generation assessment system in English and math will provide students, educators, policymakers and the public with the tools needed to identify whether students — from grade 3 through high school — are on track for postsecondary success and, critically, where gaps may exist and how they can be addressed well before students enter college or the workforce.
- Online assessment creates need for an ad hoc 1:1 computing environment

PARCC Testing Devices

VILLAGE SCHOOL	INDIAN HILL SCHOOL	W.R. SATZ SCHOOL	HOLMDEL HIGH SCHOOL
2015 Largest Grade Level Enrollment: **225**	2015 Largest Grade Level Enrollment: **236**	2015 Largest Grade Level Enrollment: **277**	2015 Largest Grade Level Enrollment: **261**
Testing Devices Available in 2014: **131**	Testing Devices Available in 2014: **150**	Testing Devices Available in 2014: **181**	Testing Devices Available in 2014: **192**
% of Recommended **58 %**	% of Recommended **64 %**	% of Recommended **65 %**	% of Recommended **74 %**

*The recommendation is to have as many testing devices as the largest grade level enrollment in each school. The current projection is that all 23 computer labs will be unavailable for instruction for two or three consecutive weeks of testing twice a year.

- InfoFinder-I Online Parent Portal for Transportation Dept.
- Upgrade PCs from Windows XP to Windows 7
- Upgrade to MS Office 2007 and MS Office 2010
- Expand use of Web Apps (Office 365 and Google Docs)
- New high school lower library desktop computer lab
- Online typing subscription expanded to grades 2-6
- EasyTech online tech literacy curriculum discontinued for grades 3 & 4 – replaced with revised district curriculum
- Enhance wireless infrastructure with new 802.11ac Wi-Fi

- Additional 162 wireless devices in mobile labs Q1, 2014
  - Two mobile lab carts at Village, Indian Hill and W.R. Satz
- Replace 270+ aging PCs
- Complete new 3-year technology plan June 2013
- Ongoing evaluation and deployment of new touch interface operating systems, tablets and apps
- Assess **PARCC** readiness
  - elementary student online and touch-typing skills
  - bandwidth requirements and student to device ratio
  - teacher readiness and professional development

Questions? More Information?

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