



Holmdel Twp. Public Schools

Technology Update

April 18, 2012

Anthony Gattini
Director of Technology



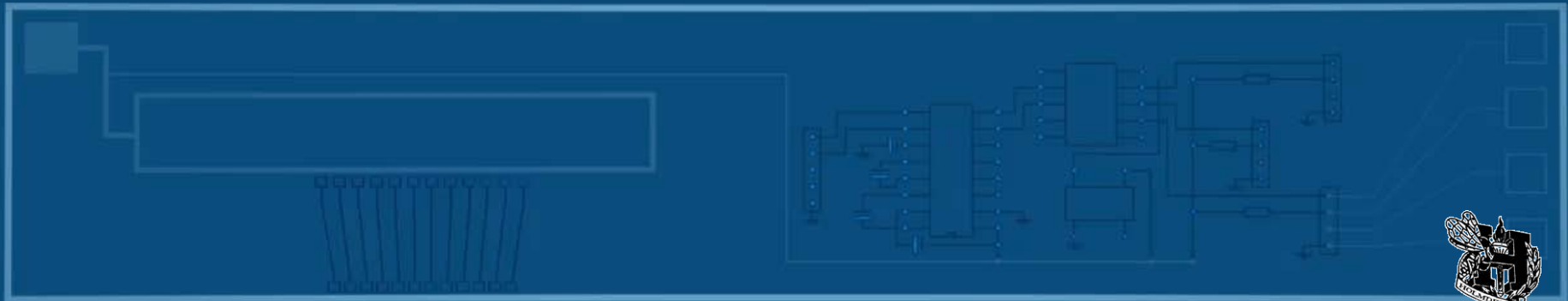
DISTRICT/SUPERINTENDENT GOALS 2011-2012

GOAL # 2 TECHNOLOGY

Continue to enhance and integrate technology into instruction with hardware, software and professional development opportunities.

Progress toward this goal includes, but is not limited to, the following:

- Track and document usage of technology in the classroom through the development of student digital “portfolios” (Grades 4-6)
- Assess proficiency in Grades 7-8 through the introduction of revised technology “cycle” class, with a target of 80% student proficiency on state technology assessment.



DIGITAL NATIVES

VS.

DIGITAL IMMIGRANTS



TEXTING/BEHAVIOR & ACRONYMS

Teen girls (14-17) send over 100 texts each day - Pew Internet & American Life Project

CD9: Code 9, parents are around

GTG: Got to go

MOS: Mom over shoulder

P911: Parent emergency

PAW or PRW: Parents are watching

PIR: Parent in room

POS: Parent over shoulder

UGTBK: You've got to be kidding



Progress in Key Areas



Sound Field Systems

Almost 100% effective coverage in large group instruction rooms.



Visual Classrooms

Accelerating installations of ceiling mounted LCD projectors.



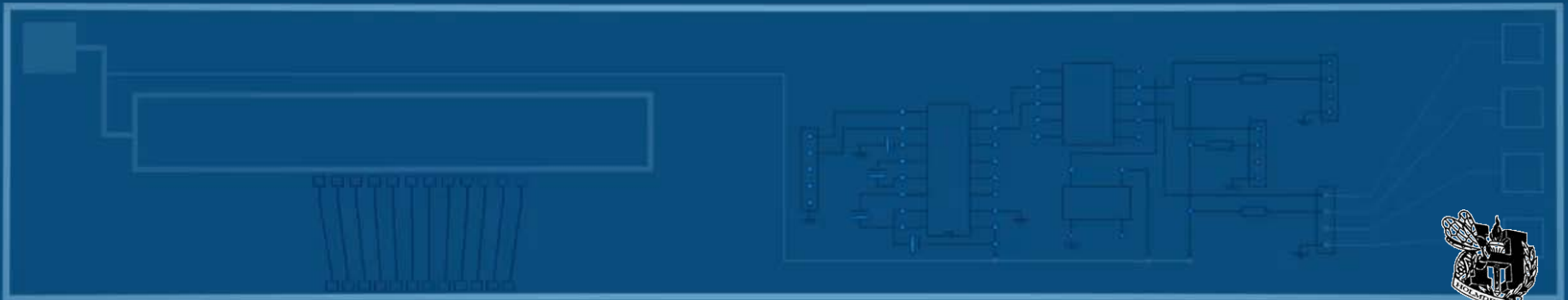
Instruction

Caren MacConnell

.5 Technology Coach @ Village and Indian Hill

Christen Rillo

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



Professional Development



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"The three little pigs attended a professional development seminar on dealing with bullies and they were never bothered by the big bad wolf again."

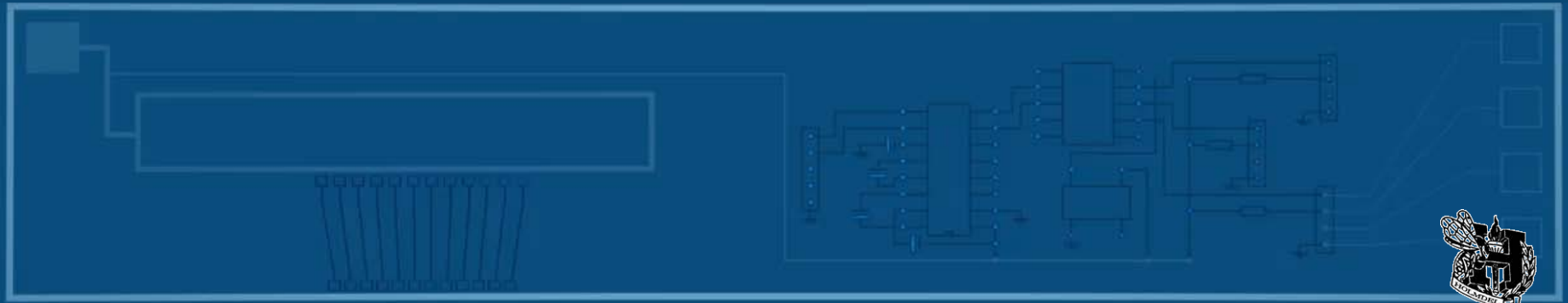
- Expanding online catalog of staff developed technology workshops
- Offered before and after school, as well as during the summer
- Abandons the "one and done" approach by adding intermediate and advanced sessions
- Demonstrated professional development that is geared toward producing usable techniques, lessons, activities, skills, resources, e tc. that can be applied and/or shared





STUDY ISLAND

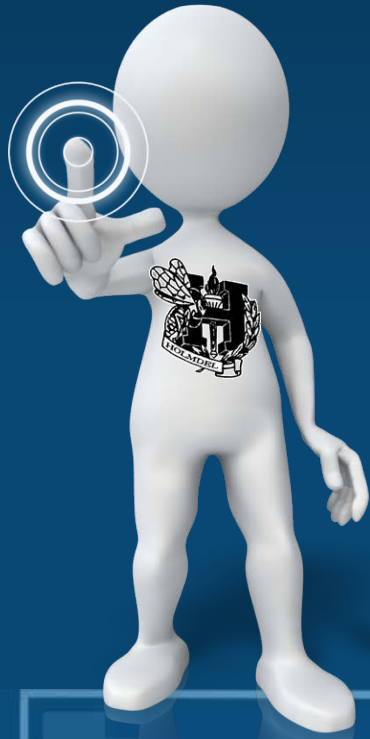
- Web-based instruction, practice, assessment and reporting built from Common Core State Standards
- Replaces Learnia
- Utilized in grades K through 8
- Math and Reading modules
- Two benchmarks given this year in grades 3-8
- Supported by elementary technology coach and Satz media specialist



Assistive Technology



- 100% Effective Classroom Coverage
- Integration with presentation systems enhances audience experience
- Future needs will be repairs rather than expansion (e.g. battery and parts replacement)



SOUND FIELD SYSTEMS 2011 → 2012

Village	Indian Hill	W.R. Satz	Holmdel H.S.
40 → 48	38	25 → 33	47 → 48

- New Kurzweil 3000 Web text to speech now includes home use
- Continuing Professional Development
- Exploring use of Apple iPads and Apps



Student : Computer Ratio

HOLMDEL HIGH SCHOOL

Student / Computer Ratio

Numbers of students per instructional, multi-media capable computers, manufactured after July 1, 2007, available for use in supervised instruction.

	School	Est. State Average
2010-2011	4.6*	3.1

* Down from 5.8

W. R . SATZ SCHOOL

Student / Computer Ratio

Numbers of students per instructional, multi-media capable computers, manufactured after July 1, 2007, available for use in supervised instruction.

	School	Est. State Average
2010-2011	4.3*	3.6

* Down from 7.0



Student : Computer Ratio

INDIAN HILL SCHOOL

Student / Computer Ratio

Numbers of students per instructional, multi-media capable computers, manufactured after July 1, 2007, available for use in supervised instruction.

	School	Est. State Average
2010-2011	4.6*	3.6

* Down from 8.4

VILLAGE SCHOOL

Student / Computer Ratio

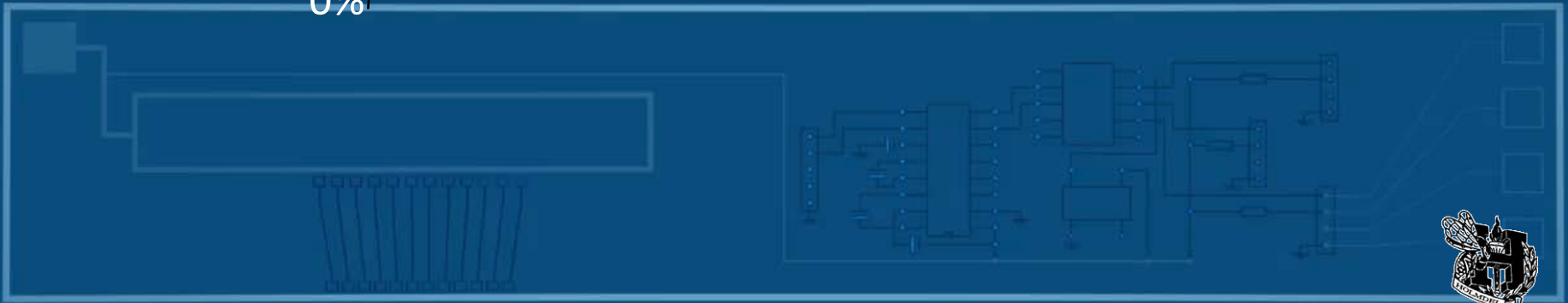
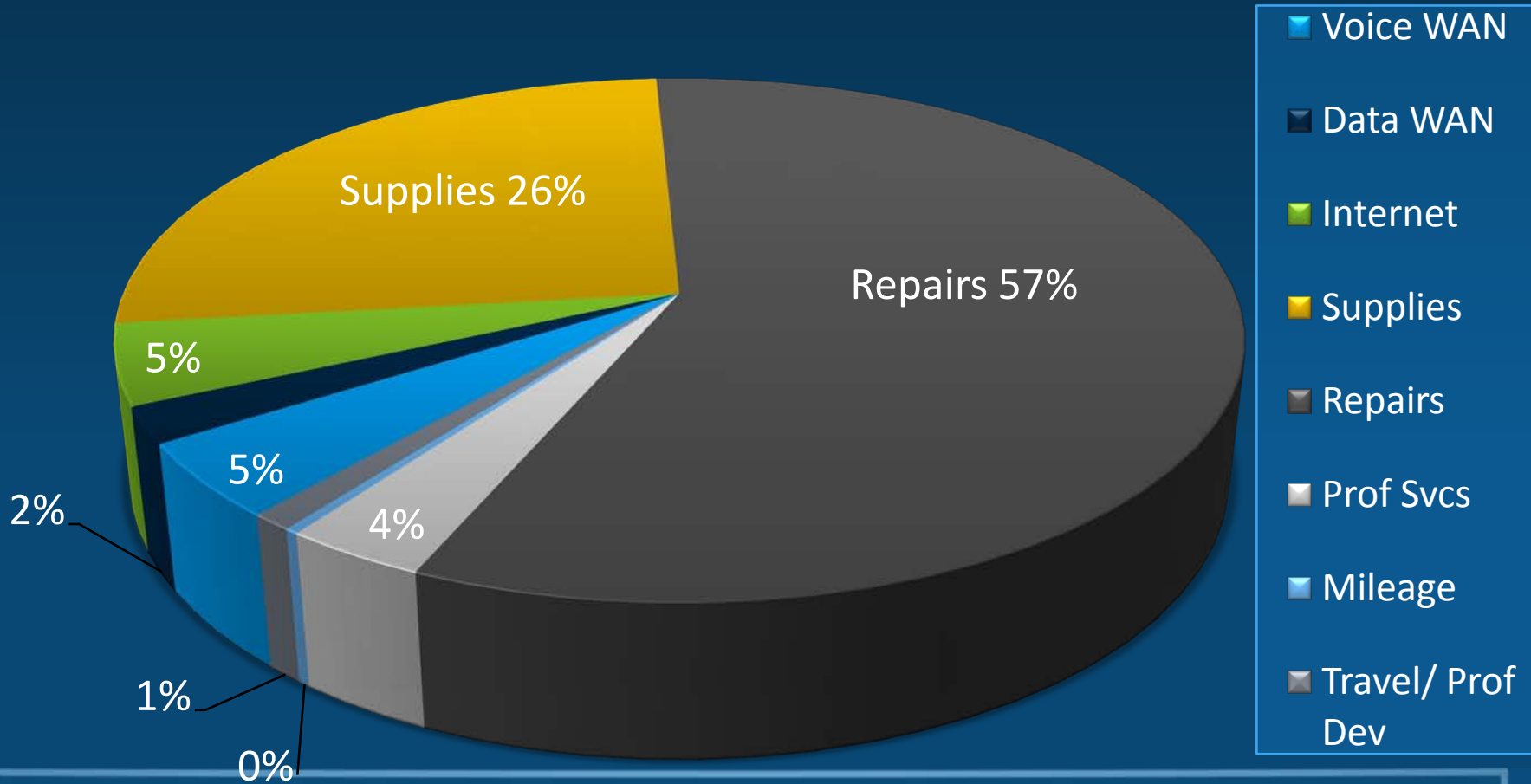
Numbers of students per instructional, multi-media capable computers, manufactured after July 1, 2007, available for use in supervised instruction.

	School	Est. State Average
2010-2011	8.5*	3.6

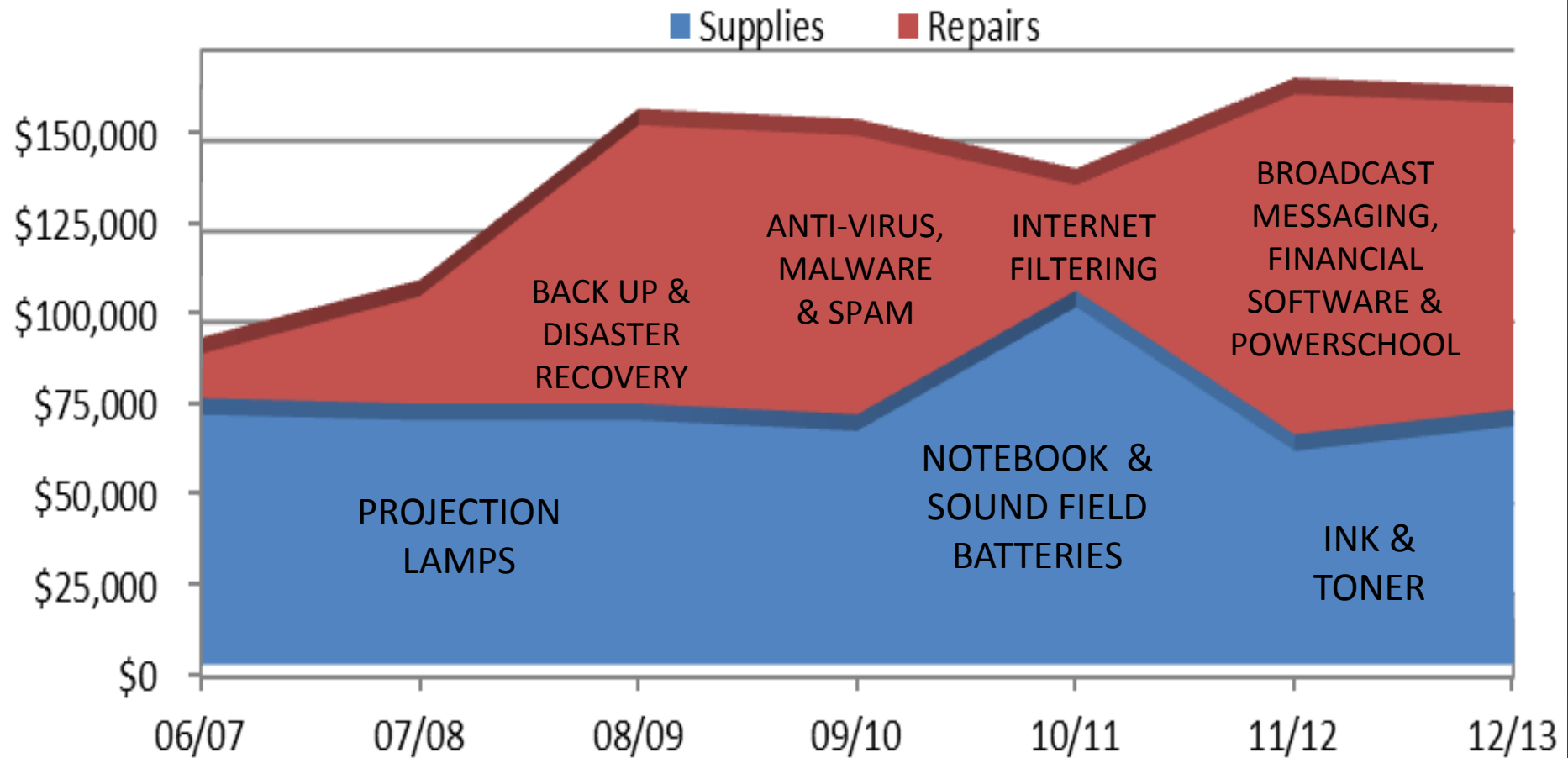
* Down from 12.6



2012 TECHNOLOGY BUDGET DISTRIBUTION



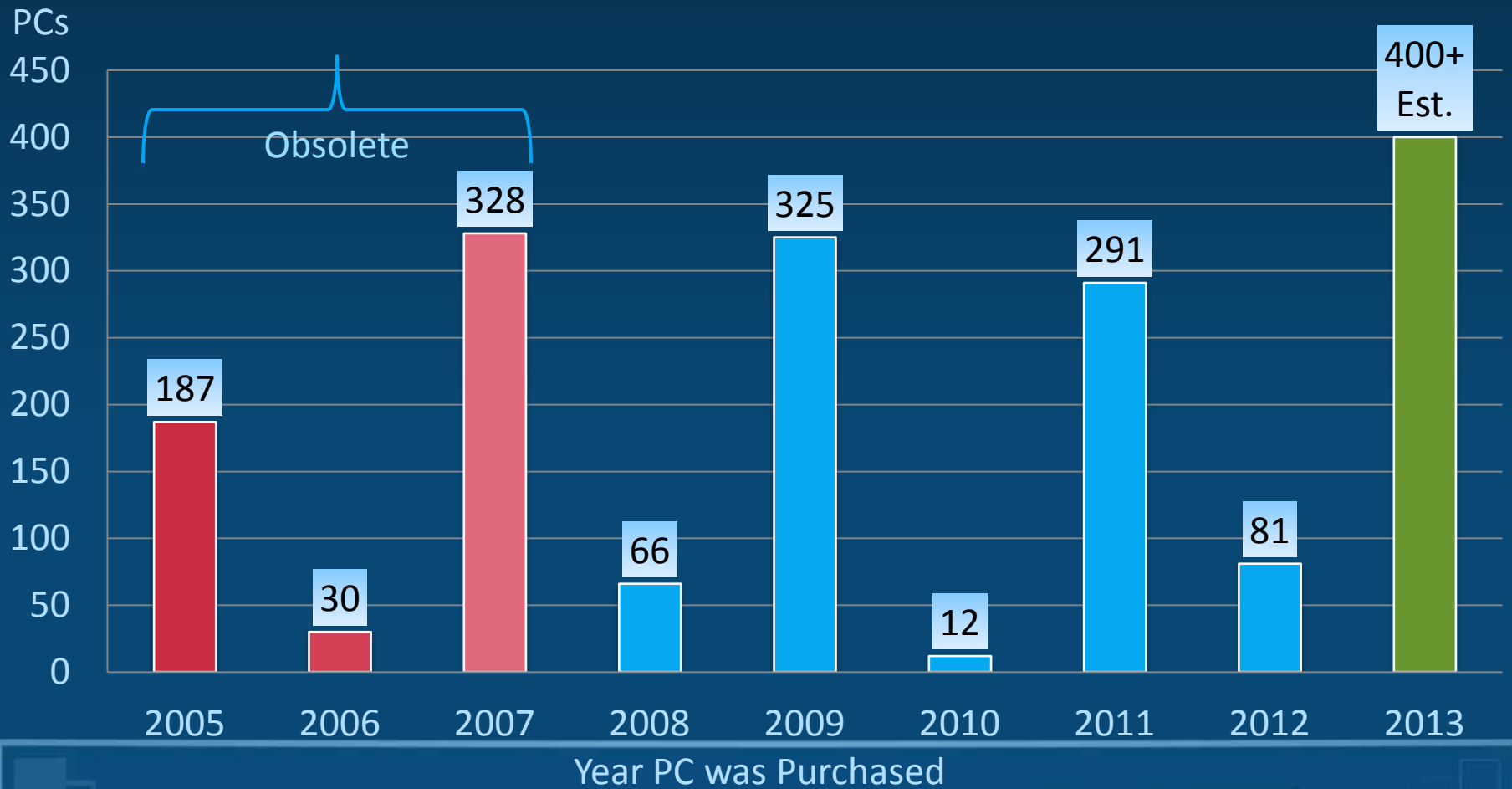
Budget Expenditures



	06/07	07/08	08/09	09/10	10/11	11/12	12/13
Supplies	\$68,885	\$67,295	\$67,331	\$64,410	\$98,540	\$58,896	\$65,696*
Repairs	\$74,226	\$90,101	\$137,300	\$134,419	\$120,809	\$145,822	\$143,400

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

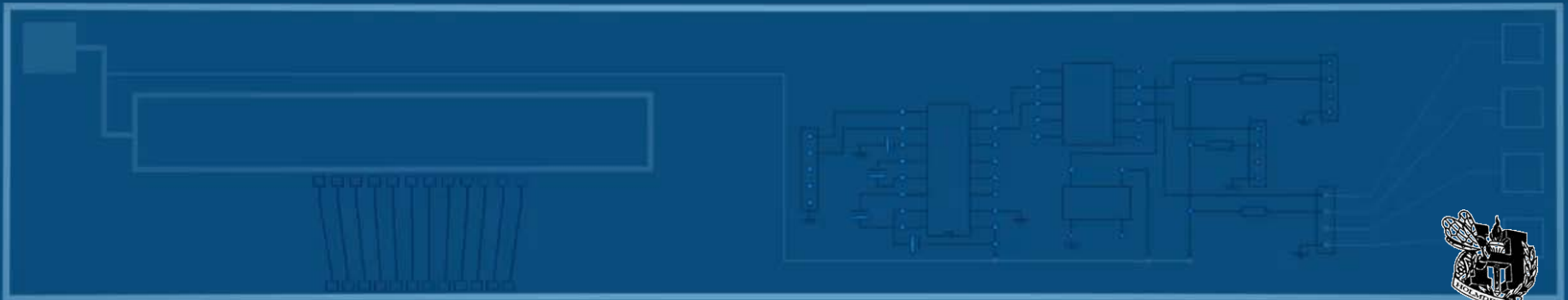
PC Inventory Aging Chart



LOOKING AHEAD

2012

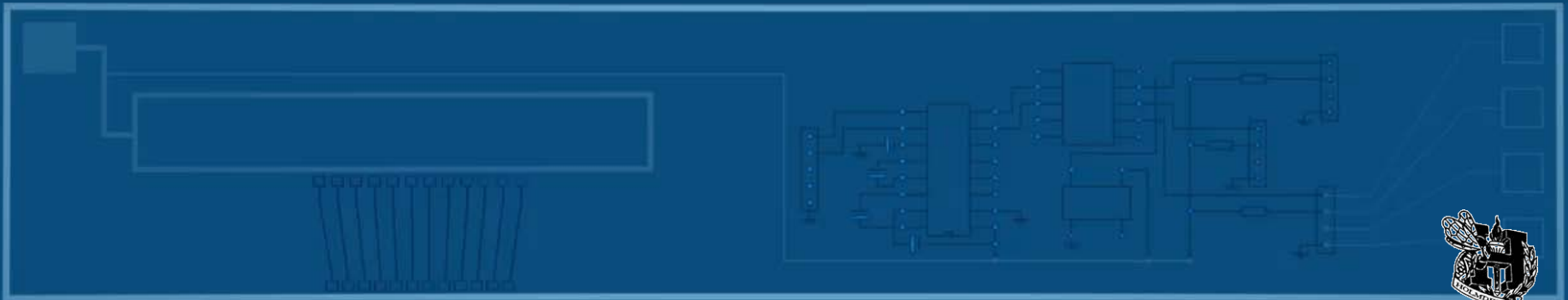
- 3 Mobile Notebook Lab Carts
- 8 Sound Field Systems @ Satz
- 8 Sound Field Systems @ Village
- 8 Ceiling Projectors @ Holmdel H.S.
- 5 Document Camera Carts @ I.H.S.
- EasyTech online tech literacy curriculum for grades 3 & 4
- Completion of wireless infrastructure @ I.H.S. and Village



LOOKING AHEAD

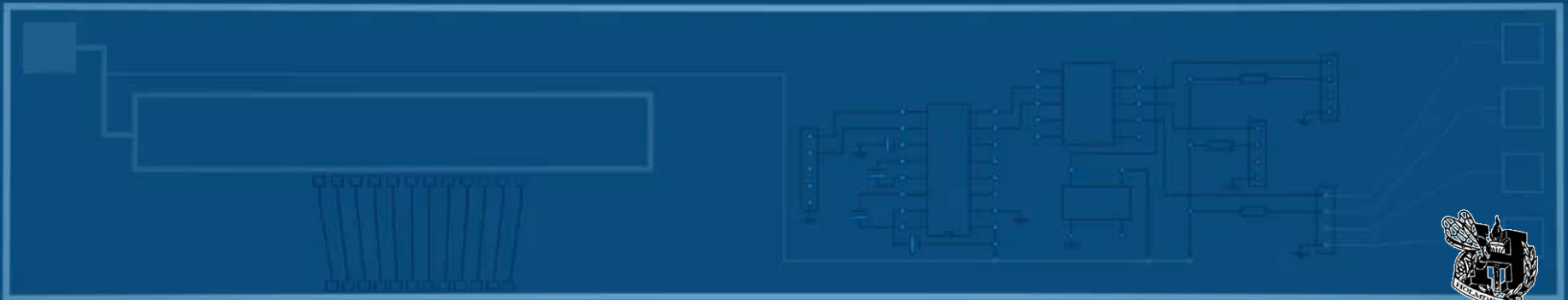
2013

- Additional Mobile Notebook Labs
- Renovate High School room 141 computer lab
- Replace 300+ aging PCs
- Complete new 2013-2016 three-year technology plan
- Ongoing evaluation and deployment of new touch interface operating systems, tablets and apps
- Assess **PARCC** readiness



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





Questions? More Information?

agattini@holmdelschools.org

