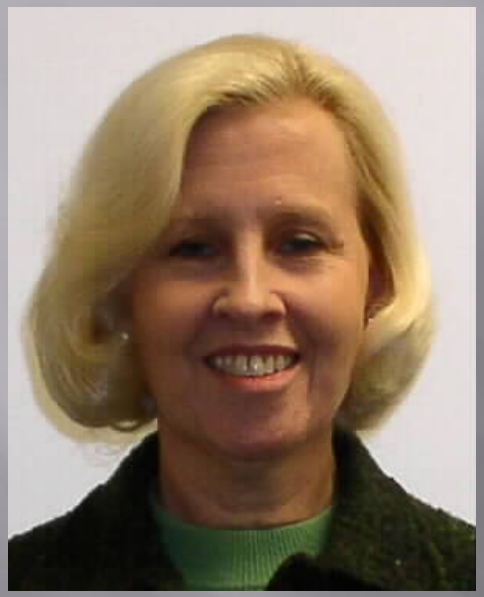
TECHNOLOGY UPDATE

FEBRUARY 2009

Presented by Anthony Gattini
Director of Technology

A Great Example

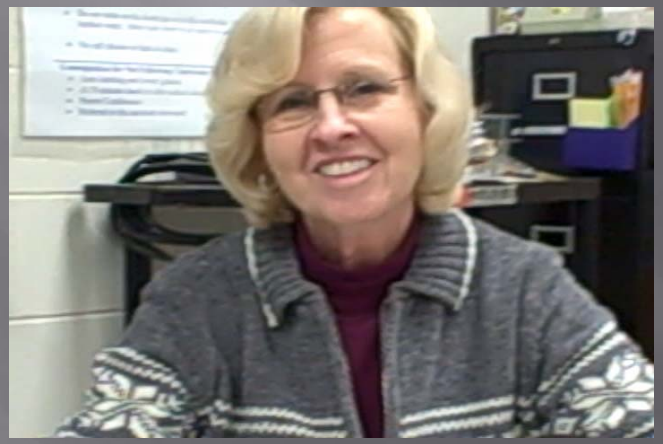


- Sandy Whitten's improved tech literacy skills have made her even more "SUPER" if that is possible.

Teacher Showcase

Holmdel High School

James Gelpke



Sandy Whitten

Elliot Cohen

HOLMDEL
HIGH SCHOOL
INFOCENTER

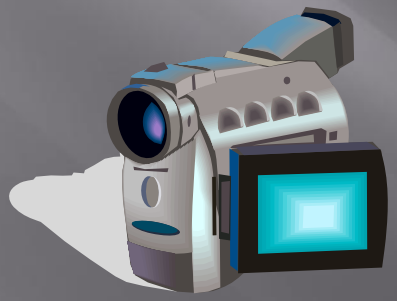
Bill Baronowsky

Robert Amitrani

Teacher Showcase

W.R. Satz School

Maurice Bell



Jacqueline Peters

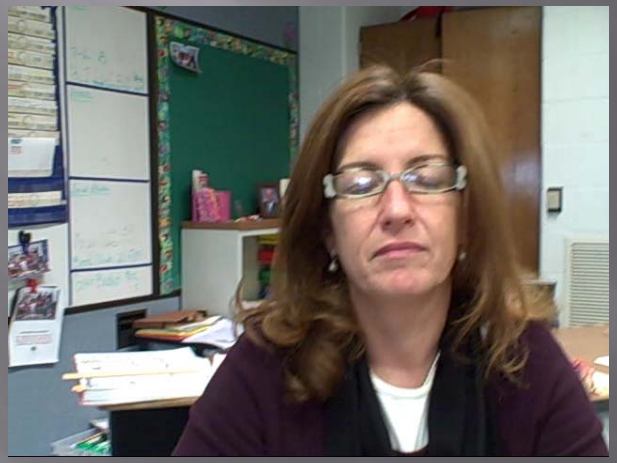
Sean McCafferty

Tetreault & Sneddon

Teacher Showcase

Indian Hill School

Kevin Dillon



Kathy Bradley

Caren MacConnell

Tom Woods

Rebecca Waddell

Teacher Showcase

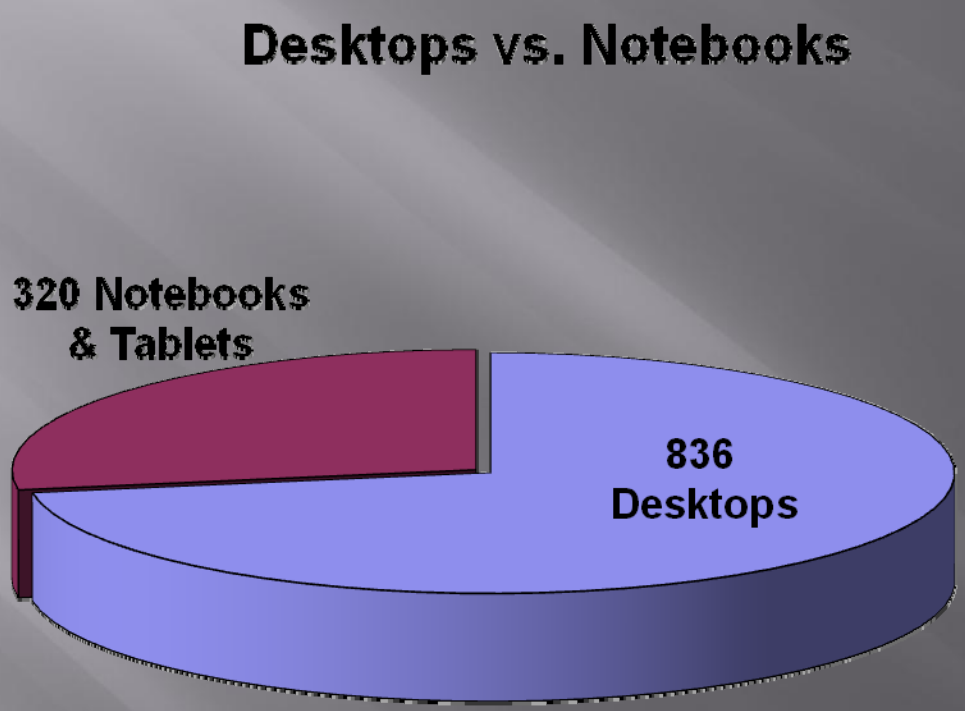
Village School

Harry Dangler

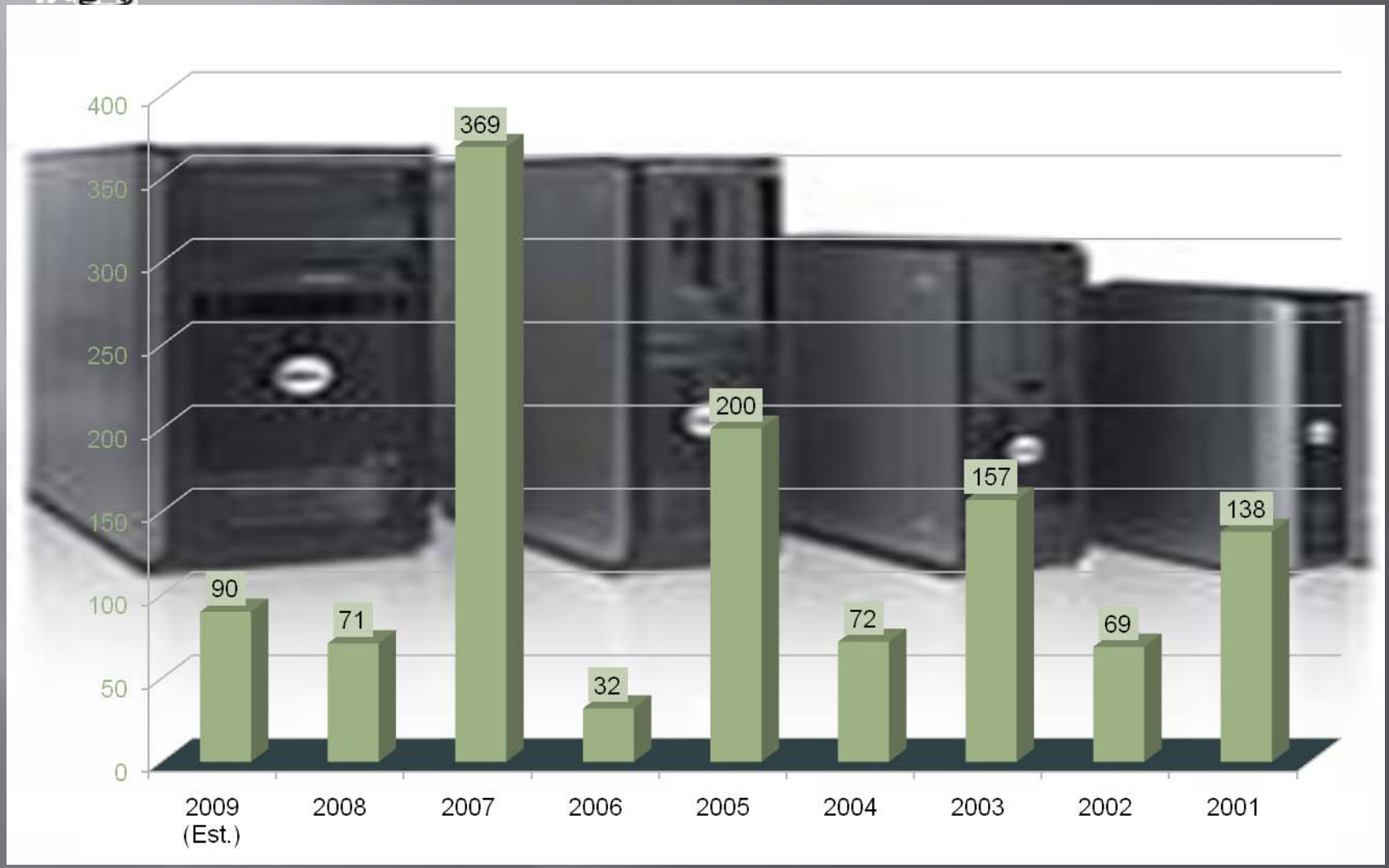
Jeanne Remuzzi

Mary Simpson

PC Inventory by Type
District

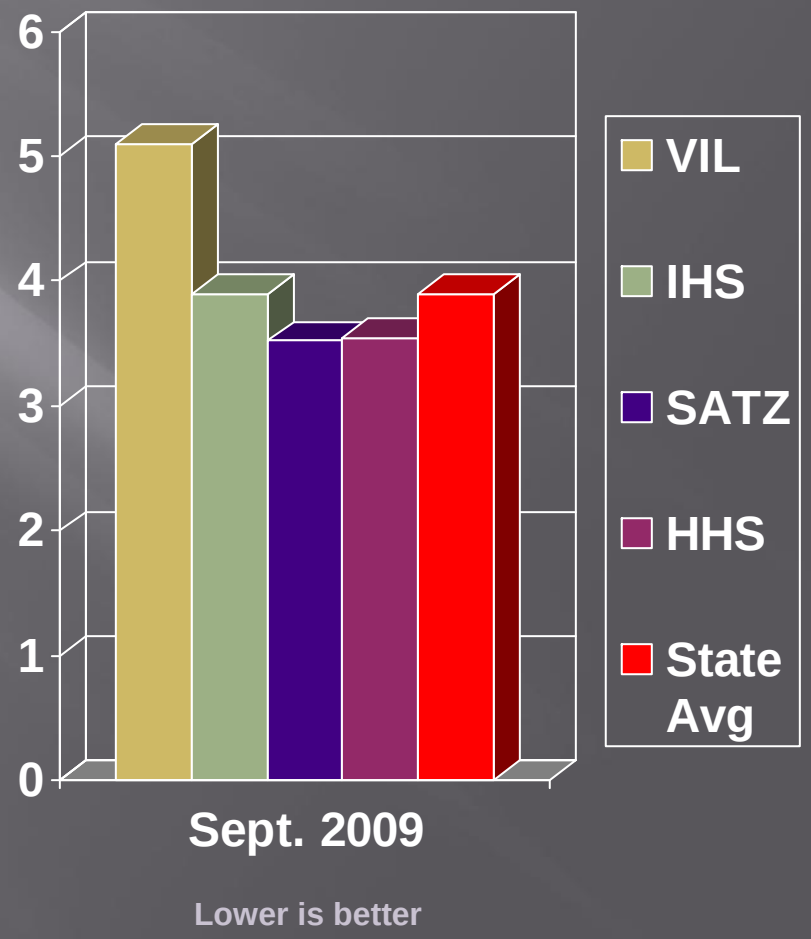


Computer Inventory

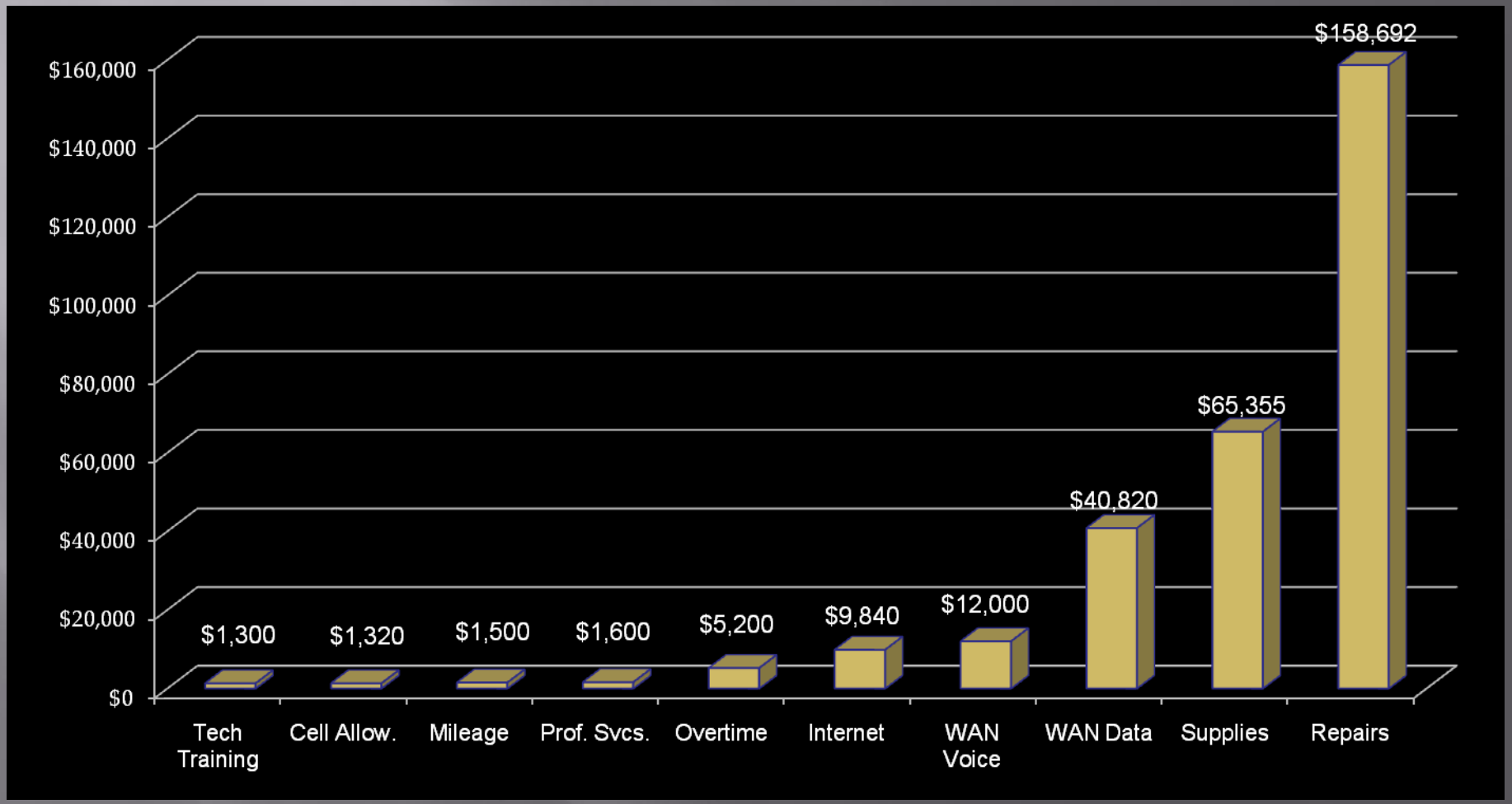


Student –to-Computer Ratio

- All teacher stations should be current technology (P4 CPU) by Sept. 2009
- Student Access Improvements
  - HS Lower Library ’08
  - Satz New Lab ’09
- 370 (2001-2003) PCs need to be replaced



08/09 Budget Appropriations
(Non-MCIA Year)

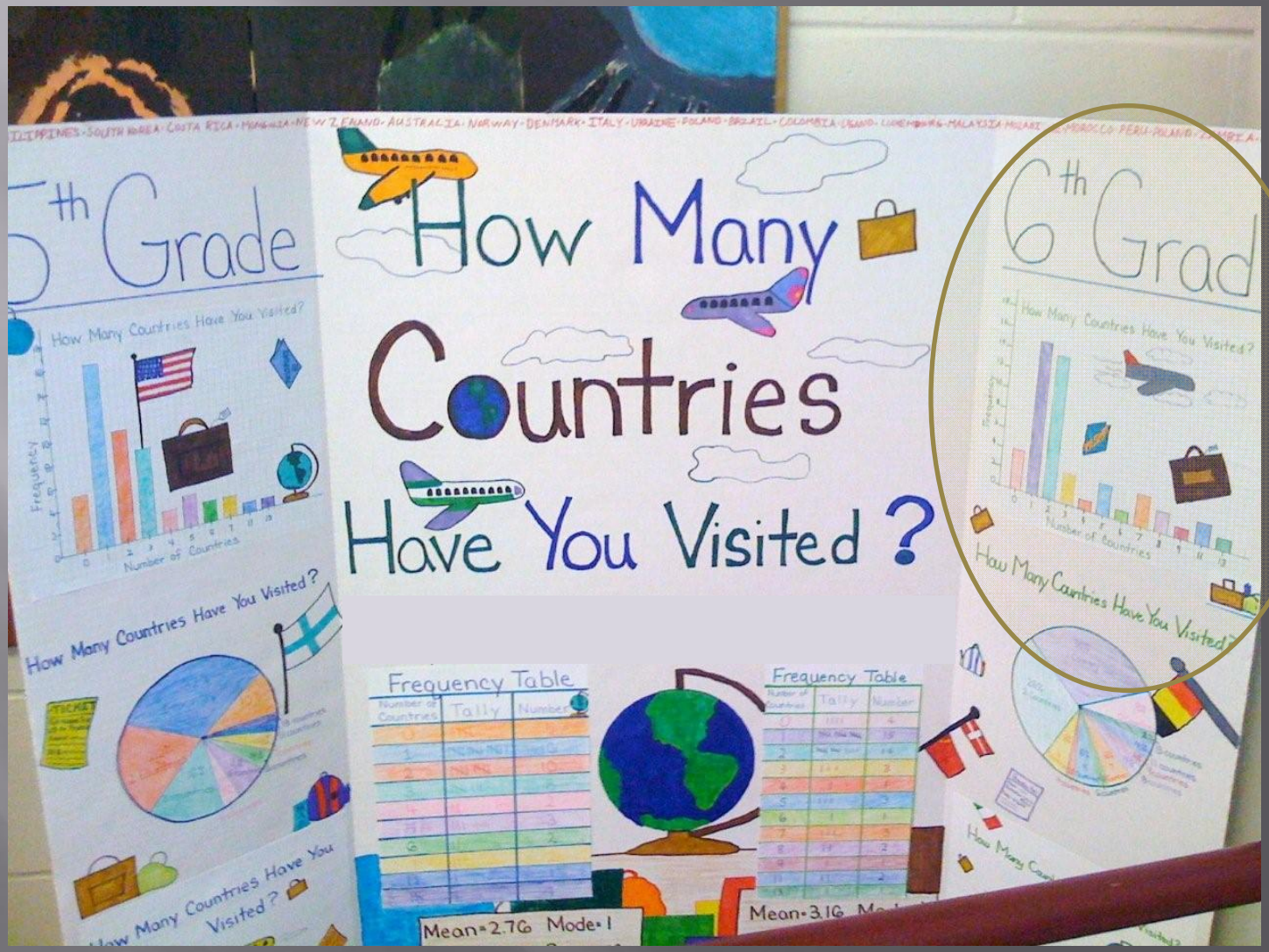


Budgetary Accounts

What Makes a Student Technology Literate?

- Touch Types
- Analyzes and graphs data using a spreadsheet
- Uses word processor with advanced formatting
- Creates a multimedia presentation
- Uses tech. to collaboratively solve problems
- Creates a simple database
- Exhibits legal and ethical online behavior
- Communicates electronically & responsibly (e-mail)
- Uses appropriate research tools

Technology Integration
Today



Technology Integration

Vision of the Future

Advancing Technology Literacy

- Purchase of TechSteps (K-8)
- Projects by Grade Level and Content Area
- Built on the National Education Technology Standards for Students (NETS*S)
  - Technology Concepts
  - Multimedia, Creativity, and Information Design
  - Data and Data Visualization
  - Research, Collaboration, and Problem Solving
  - Digital Citizenship
  - Technical Operations
- Helps satisfy NCLB and NJTAP-IN requirements

Impact of Defeated Separate Question

- Slower replacements of obsolete PCs
- Slower deployment of the visual classrooms
- Slower deployments of sound field systems
- No expansion of professional development
- No technology personnel added

Progress and Planning
Village School

- Add two more sound field systems ✓
- Purchase or develop lessons that will aid teachers in meeting the tech literacy requirements of NJTAP-IN. ✓
- **27 PC gr. 2/3 comp. lab refresh** (8/09)
- **Replace 14 older PCs** (8/09)
- **Add two more sound field systems** (8/09)

Progress and Planning

Indian Hill School

- 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. TechSteps (needs implementation) ✓
- **Replace 45+ PCs purchased in 2001** (8/09)
- **Add three or more sound field systems** (8/09)

Progress and Planning

W.R. Satz School

- Add (6) sound field pro systems ✓
- Replace 8 year old 24 unit notebook cart **changed to renovation of a classroom into a desktop computer lab** (8/09)
- Purchase or develop lessons that will aid teachers in meeting the technology literacy requirements of NJTAP-IN. (TechSteps) ✓
- **Add one or more sound field pro systems** (8/09)

Progress and Planning

Holmdel High School

- 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. ✓ & ⊘
- **Renovate room 142 comp. lab** (8/09)
- **Add 2 more PCs to the lower library** (8/09)

Progress and Planning
District

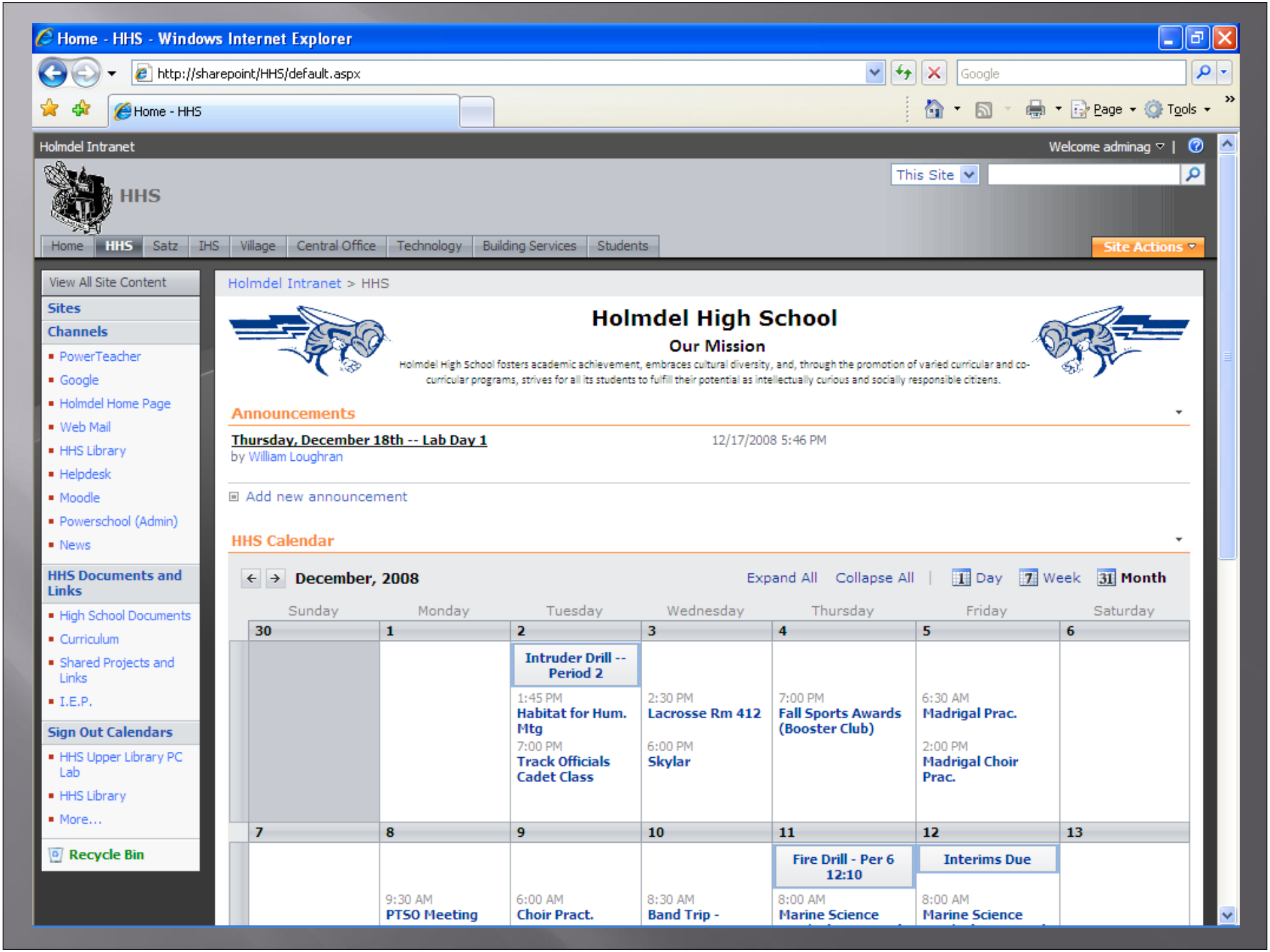
- Upgrade student management system to PowerSchool Premier with its browser base gradebook (summer 2008) ✓
- Provide 2,400 student email accounts (HFEE) ✓
- Implement storage area network for shared storage (summer 2009) **Cancelled for 2009**
- Update curriculum (TechSteps) to reflect use of technology integration **K-8** ✓ **9-12** ⊘
- **Replace 3 and add 2 servers** (8/09)
- **Upgrade Alcatel PBX (8/09)**
- **Upgrade Security System (8/09)**

Progress and Planning
Professional Development

- Disseminate State expectations related to NJ 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
  ✓ & ⊘ (more sessions needed)
- Leverage lesson and activity repository within SharePoint intranet. Begin promoting its use. ✓ & ⊘ (more promotion & participation needed)
- **Create additional screencast tutorials** (8/09)

New Additions for 2008

- SharePoint Intranet
- E-Alert (electronic subscription service)
- New Automated Phone & Email Broadcast
- Updated Transportation Routing
- New PowerSchool web-based gradebook
- Student Email Accounts
- 9 ceiling LCD projection installations & 10 LCD TVs
- Learnia, Study Island, United Streaming


Home - HHS - Windows Internet Explorer
http://sharepoint/HHS/default.aspx
Google
Home - HHS
Page
Tools
Holmdel Intranet
Welcome adminag
This Site
HHS
Home
HHS
Satz
IHS
Village
Central Office
Technology
Building Services
Students
Site Actions
View All Site Content
Sites
Channels
PowerTeacher
Google
Holmdel Home Page
Web Mail
HHS Library
Helpdesk
Moodle
Powerschool (Admin)
News
HHS Documents and Links
High School Documents
Curriculum
Shared Projects and Links
I.E.P.
Sign Out Calendars
HHS Upper Library PC Lab
HHS Library
More...
Recycle Bin
Holmdel Intranet > HHS
Holmdel High School
Our Mission
Holmdel High School fosters academic achievement, embraces cultural diversity, and, through the promotion of varied curricular and co-curricular programs, strives for all its students to fulfill their potential as intellectually curious and socially responsible citizens.
Announcements
Thursday, December 18th -- Lab Day 1
by William Loughran
12/17/2008 5:46 PM
Add new announcement
HHS Calendar
December, 2008
Expand All
Collapse All
Day
Week
Month
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
30
1
2
Intruder Drill -- Period 2
1:45 PM Habitat for Hum. Mtg
7:00 PM Track Officials Cadet Class
3
2:30 PM Lacrosse Rm 412
6:00 PM Skylar
4
7:00 PM Fall Sports Awards (Booster Club)
5
6:30 AM Madrigal Prac.
2:00 PM Madrigal Choir Prac.
6
7
8
9:30 AM PTSO Meeting
9
6:00 AM Choir Pract.
10
8:30 AM Band Trip -
11
Fire Drill - Per 6 12:10
8:00 AM Marine Science
12
Interims Due
8:00 AM Marine Science
13

Going Green

- 42 Servers @ HHS/Satz Complex
  - 15 of those are VMware Virtual Servers
    - Better CPU and hardware utilization
    - Consumes less energy and space
    - Generates less heat – lowers A/C requirements
    - Costs less to acquire server hardware
- Automated shutdown of PCs @ 4:00pm
- Automated turn-on of desktops @ 6:00am
- CRT displays replaced with LCDs

Moving Forward

- Reinforce and enhance faculty tech skills with professional development
- Deploy more ceiling mounted LCD projectors
- Deploy more 5-computer classrooms
- Add Internet bandwidth for online applications
- Leverage PowerSchool capabilities
- Increase utilization of e-mail, wikis, blogs and Moodle electronic classroom

See More Holmdel Tech

District Website

http://www.holmdelschools.org/tech/tech.shtm

HolmdelTech Website

http://sites.google.com/site/holmdeltech/

HolmdelTech Blog

http://holmdeltech.blogspot.com

HolmdelTech Wiki

http://holmdeltech.wikispaces.com