



Technology Update

April 28, 2011

DISTRICT/SUPERINTENDENT GOALS 2010-2011

GOAL # 2 TECHNOLOGY

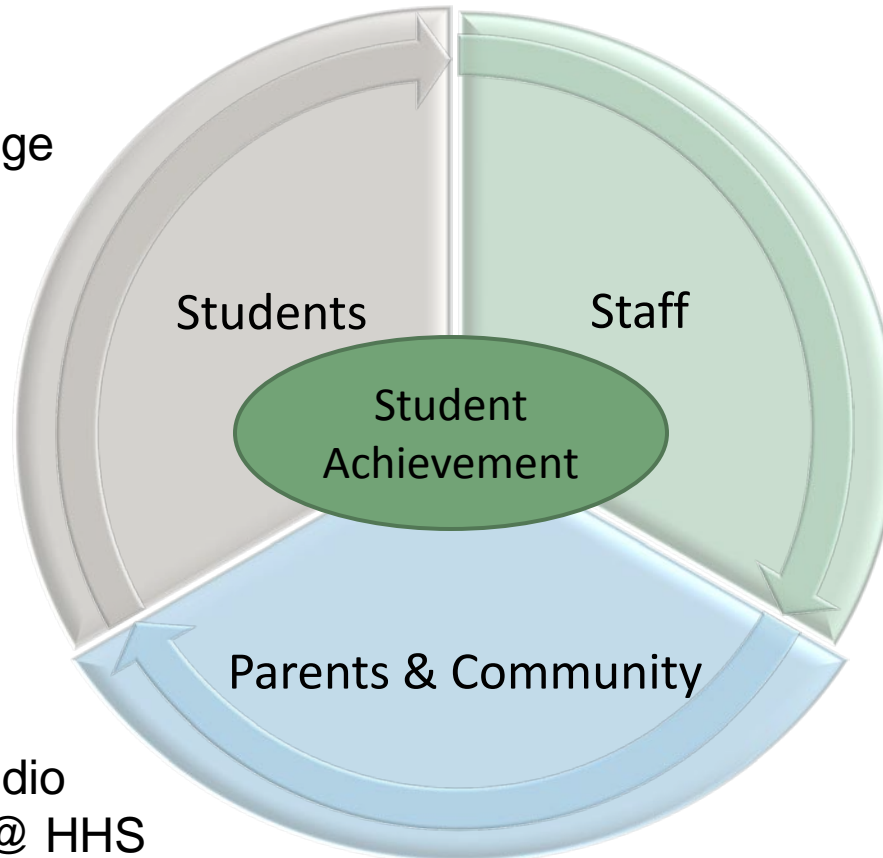
To continue to enhance and integrate technology into instruction with hardware, software and professional development opportunities



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

WHAT'S HOT in Holmdel Tech?



IPEVO DOCUMENT CAMERA



SMART RESPONSE PE
STUDENT RESPONSE SYSTEM

WHAT'S **HOT** in Holmdel Tech?

Mrs. MacConnell's
Classroom Blog



Google docs

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



Holmdel is a **ZONE**

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



Village School Parent and Student Site

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 |

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 |

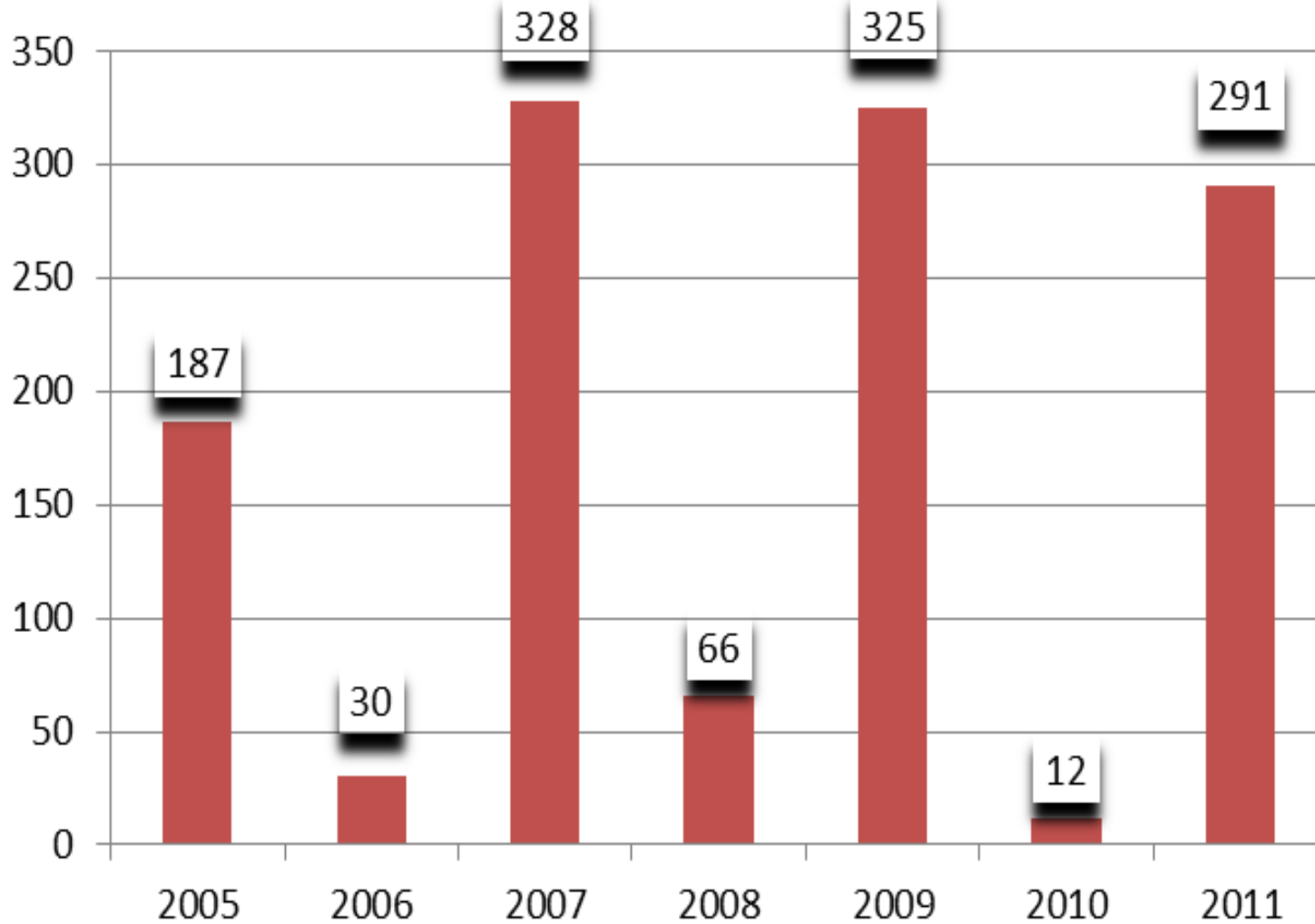
VILLAGE SCHOOL

| 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 |

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 |

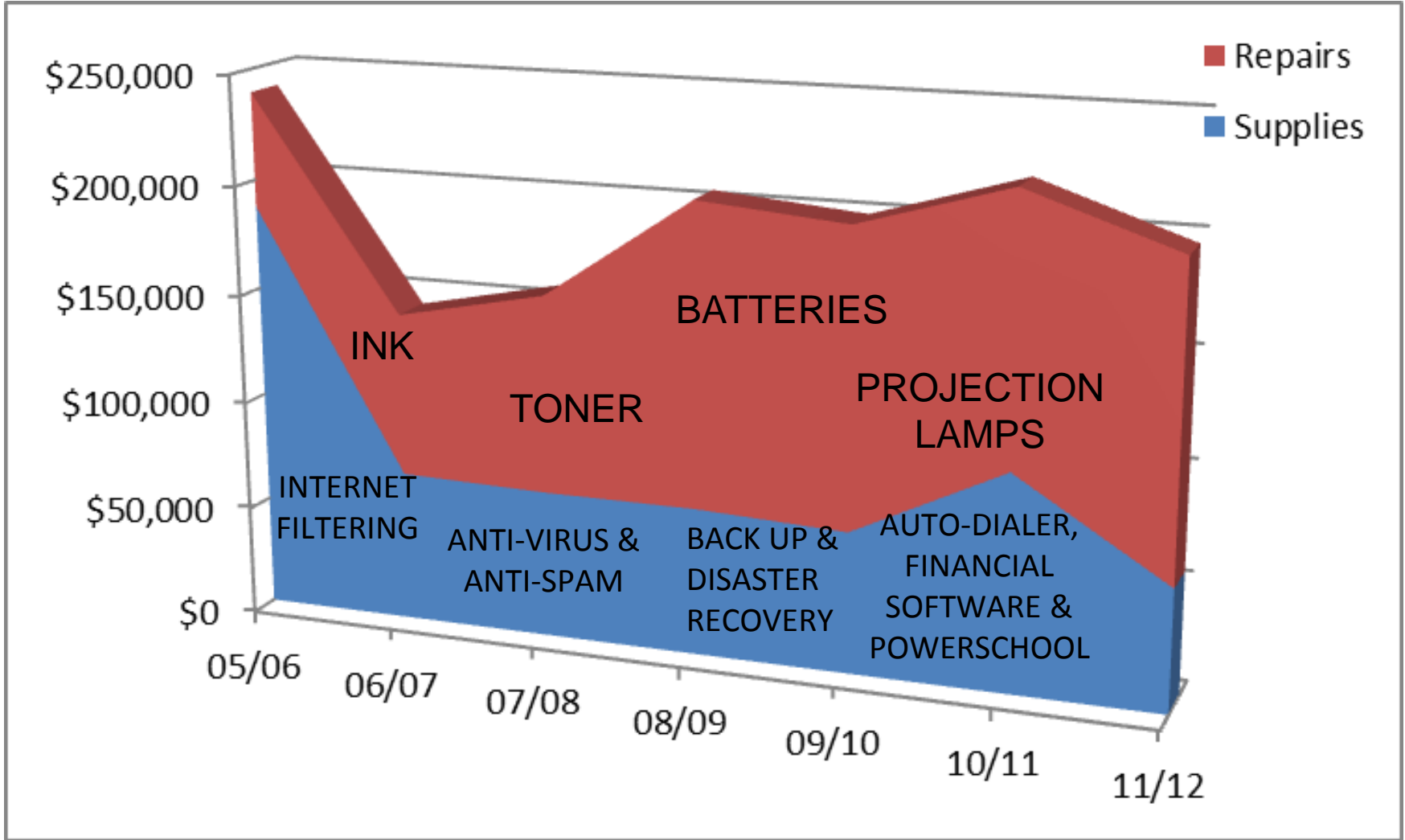
Computer Inventory Aging



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

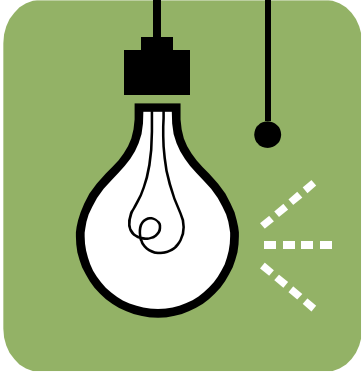
BUDGET EXPENDITURES

Supplies vs. Repairs

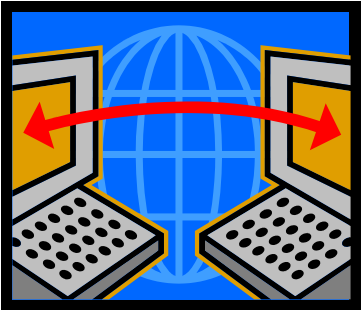


| | 05/06 | 06/07 | 07/08 | 08/09 | 09/10 | 10/11 | 11/12 |
|----------|-----------|----------|----------|-----------|-----------|-----------|-----------|
| Supplies | \$187,638 | \$68,885 | \$67,295 | \$67,331 | \$64,410 | \$98,540 | \$55,696 |
| Repairs | \$52,033 | \$74,226 | \$90,101 | \$137,300 | \$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:



| | 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% |

Small Group Instruction Rooms not included in counts or calculations

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

HOME | BOE | SCHOOLS | DEPARTMENTS | ASSOCIATIONS

Holmdel Township Public Schools

4 Crawfords Corner Road PO Box 407 Holmdel, NJ 07733-0407 732-946-1800
"A Commitment To Excellence"

NETWORK TECHNOLOGY


Environment
Network Overview
Tech. Plan/Report
Case Study
Acceptable Use Policies
Online Training
Microsoft Software Quick Reference Links
Tech/Education Links
Contact Us

Join Our **E-Alert** Mailing List

Search Powered By Google



Search

Internet
 Holmdel Web Site


WeTip.com
For a Safer America!

» Site Map
» E-Mail Webmaster
» Faculty E-Mail Log-In

Holmdel Township Network Technology Department

24 Crawfords Corner Road
Holmdel, New Jersey 07733-0407
 (732) 946-1868 

Network Technology Recent News

[NEW! 2010-2013 Technology Plan](#)
[Technology Update - February, 24, 2010](#)
[New Jersey Core Curriculum Content Standards for Technology](#)
[21st Century Outcomes - Information, Media and Technology Skills](#)
[Technology Update - Summer 2009](#)
[Technology Update - February 2009](#)
[Technology Update - Spring 2008](#)

Network Technology Highlights

District

- 30-Station World Language Lab for Satz/HHS donated by the HFEE (2010)
- Parent Portal Satz/HHS access to online grade book and attendance (2010)
- Google Apps linked to Satz/HHS network accounts (2010)
- Over twenty sound field and ceiling-mounted projection systems installed (2010)
- K-8 Technology literacy curriculum bolstered by investment in TechSteps program (2008)
- Students provided with email accounts courtesy of HFEE (summer 2008)
- Student management system upgraded with a browser-based gradebook (summer 2008)
- New online job application system implemented (> 2,000 applications processed in 2008)
- New Holmdel Web site and E-Alert Service launched (2007)
- Exchange 2007/Outlook messaging platform (2007)
- 30+ Tablet PCs donated by HFEE, PLG & PSA (2007)
- 24+ Notebooks added by parent organization donations (2007)
- SharePoint Staff Collaboration platform (2007)
- Moodle electronic classroom environment (2007)
- Retirement/replacement of 300+ obsolete PCs (2007 M.C..I.A.)
- Redundant Internet service with Tier 1 ISP and Comcast (2006)

Holmdel High School

NETWORK TECHNOLOGY

Technology Gallery

District
High School
William R. Satz School
Indian Hill School
Village School


Related Info.

Acceptable Use Policy(AUP)
Internet Safety
NJ/National Education Tech Standards/Assessment

Faculty Links

Help Desk
Submit Work Order
Sharepoint
Web Mail

Tech Staff


Anthony Gattini
Director of Technology
([wiki](#)) ([blog](#)) ([web](#))

Steve Lelivelt
Network Engineer

Bill Cullen
Technology Support Assistant

Internet | Protected Mode: On

THANK YOU

QUESTIONS?

