

# Overview of Hardware and Software in the District

Presentation to the Board of  
Education

October 28, 2008

# Hardware – Infrastructure

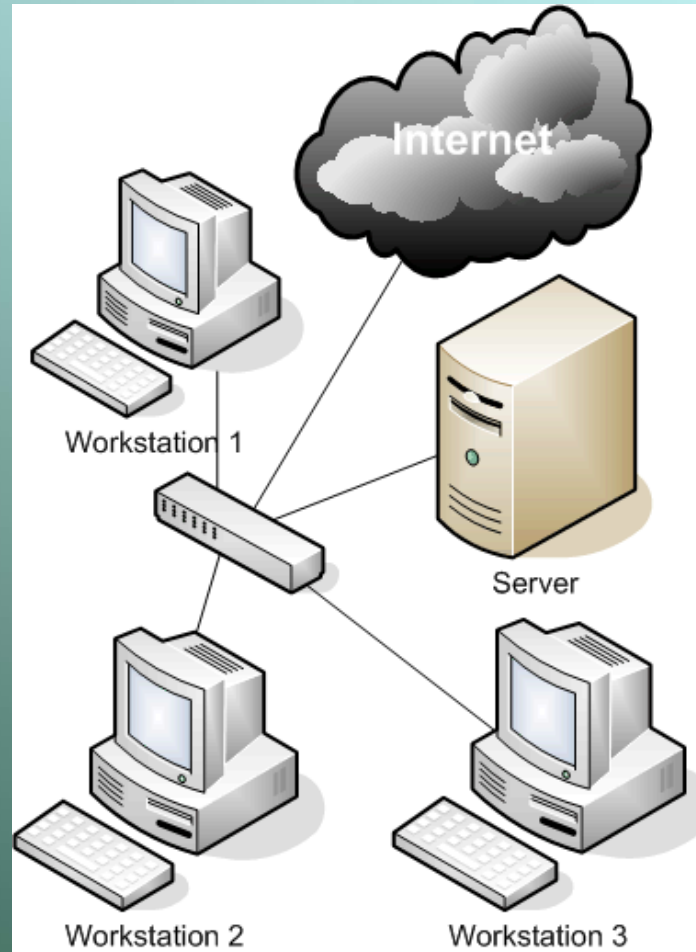
- Our environment is primarily pc based, with an installation of iMac computers in special areas at the Ward Melville HS.
- 99% of our pc's are networked for centralized file storage, log in authentication and internet access.
- Each school and administration building contains it's own Local Area Network (LAN) and each building is networked back to central administration via a Wide Area Network (WAN)



## Network Operations Center Central Server Room

Currently at central administration, this room and all of the equipment is moving to North Country.

# WAN – Wide Area Network

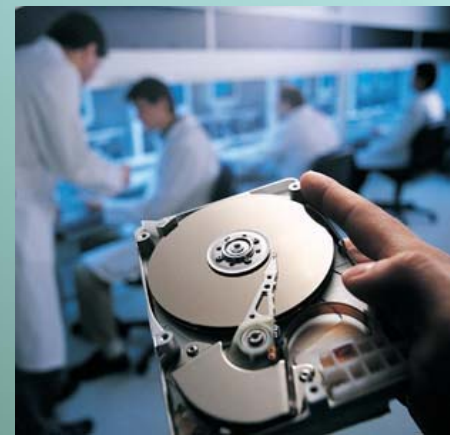


# Sample School LAN



# Storage and Disaster Recovery

- Centralized monitoring system that communicates to all switches and critical servers that alerts staff of problems.
- Data Backup and Retention
  - Network accounts and folders for all students grades 2-12, teachers, clerical, custodial, nurses, food service workers and administrators ~ approx. 10,000 active accounts
- E-mail
  - 1,655 active e-mail accounts, as well as a backup of all inactive employees since e-mail inception.
  - We receive an average of 30,300 e-mails per day; the Spam filter is blocking more than 25,000 per day for spam and viruses.
  - We process approximately 2,100 e-mails per day from outside the district and about 5,800 total per day.
  - Archiving– New federal requirement - 7 years retention
- Off Site, Secondary Storage
  - Finance Manager
  - Infinite Campus
  - IEP Plus
  - Network folders



# Access to Technology In Our Schools

- **Classrooms** - There is a networked computer in every classroom with internet access and a printer, 3 workstations in every elementary classroom.
- **Computer Labs** – at least one in every school. Elementary rotation schedules, sign up schedules at secondary.
- **Laptop Carts** – aka COWS – Computers On Wheels, sign up for use in classrooms.
- **Information Centers** – Library – fully automated, many, many online resources available via the web – any where, any time.



# Specialized Software Labs

- At the JH
  - Scantek Labs – All 7<sup>th</sup> & 8<sup>th</sup> Graders
  - Computer & Career Essentials – Every 9<sup>th</sup> Grader
- At WMHS
  - AutoCAD Lab
  - CISCO Networking and Automotive Tech lab
  - 3 iMac Labs – Graphic Art, Video Production and Music
  - 2 Business Department labs
  - Global Language lab



# Other Technology

- SmartBoards
- Projectors
- Document Cameras
- Probes
- Digital Cameras and Scanners
- Video Conferencing
- Video Surveillance
- Scholarchip card readers at WMHS



# Software Programs in Our Schools

Infinite Campus – More than the portal and report cards.



- Types of info available on IC
  - Attendance
  - Health - immunizations
  - PPS flags
  - Assessments
  - Demographic, Enrollment
  - Views dependent upon your title.
  - Fees – SACC, books
  - Network account
  - AIS Services
  - Reading level

## Software Available on District Computers

- Moodle – Web-based online course delivery system.
- IEP+
- Online Resources – including the VRC
- Full Office 2003 suite
- FrontPage
- Adobe Photoshop elements 2.0
- Printshop
- Audacity - podcasting
- Notebook for Smartboard
- Inspiration K-12
- SG Citrix – All teachers and admin can log in to district resources from the outside

## Additional Programs in Elementary

- Bailey's Book House
- Millie's Math House
- Trudy's Time and Place
- Sammy's Science House
- Graph Club
- Kidspiration 2
- Logical Journey of Zoombinis
- Reportcard Maker
- Kidpix
- Storybook Weaver
- Proscope probe software
- Microsoft Photostory
- Photo Draw

# Support

- Our dept. supports all users in 11 buildings including every parent.
- 5 computer technicians, 2 network administrators
- Electronic work order system – School Dude, averages more than 120 new work orders each week.
- New computer installations

## Professional Development

- New teacher orientation
- Grade level meetings
- Administrator and clerical workshops

## Parents and the Community

- Portal
- Website
- Board of Education Meetings

Continuing Education

