

# TECHNOLOGY PROGRESS

ACUSD/ACOE

Network Status

# July 1, 2014

- ▣ Put new technology plan in place
- ▣ Focus on more technology in the classroom
  - 1) Upgrade or replace current PCs
  - 2) Make a move to Google Chrome Books and Google Apps for Education
  - 3) Increase wireless Infrastructure
  - 4) Increase Smart Boards in Classrooms
  - 5) Monitor Bandwidth for necessary increase

# Network Client Comparison

APRIL 30, 2014

- ▣ 1321 Reporting to SMS
- ▣ 891 Windows XP
- ▣ 336 Windows 7
- ▣ 94 Windows 2K
- ▣ 75% of Clients reaching end of support

MAY 5, 2016

- ▣ 1551 Reporting to SMS
- ▣ 1334 Windows 7
- ▣ 189 Windows XP
- ▣ 11 Windows 2K
- ▣ 8 Windows 10
- ▣ 8 Windows 8
- ▣ 11 Windows 2000

# PC Upgrades Out with Windows XP

- ▣ In the 2013-2014 school year teacher computers were replaced or upgraded to support Windows 7
- ▣ In schools years 2013-2016 all labs were upgraded /replaced to support Windows 7

# Google Chrome Books and GAPE

APRIL 2014

- ▣ 64 Chrome Books in use
- ▣ No Google User Accounts

MAY 2016

- ▣ 1332 Chrome Books in use
- ▣ 3833 Google User accounts

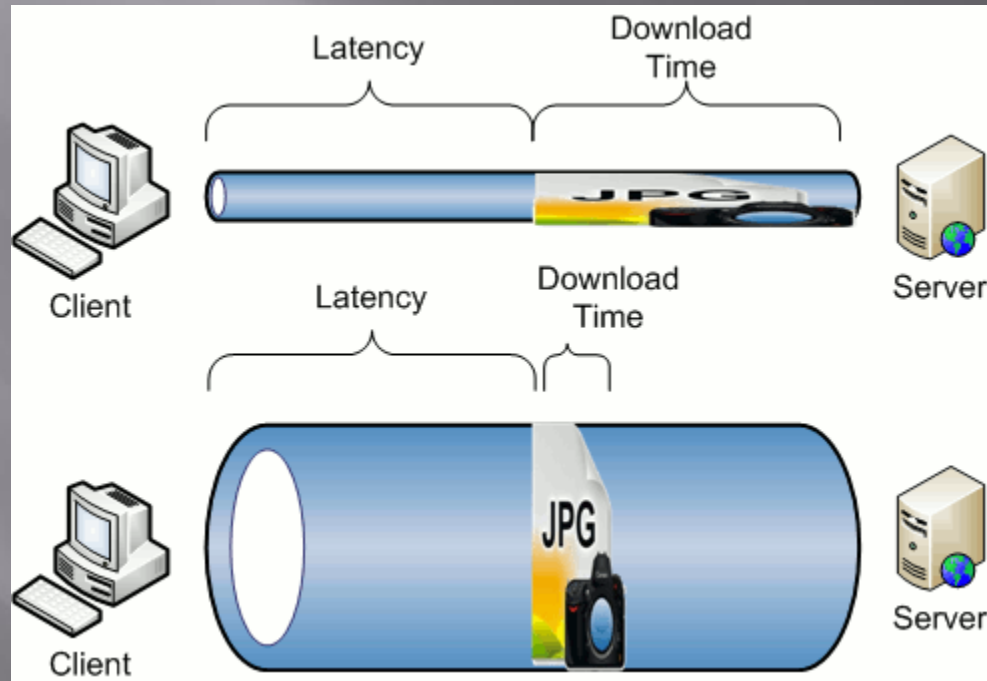
# Wireless Access

- ▣ Prior To 2013 wireless was isolated to specific classrooms
- ▣ Summer 2014, 100 Wireless access points were installed district wide for SBAC trial testing. Primarily in testing areas
- ▣ From 2014 to 2016 wireless access points have continued to be added . Currently 126 Access points installed in the district

# Smart Boards

- ▣ Goal of tech plan was one Smart Board for every two class rooms
- ▣ Smart Boards are currently installed in 94% of all classrooms

# Bandwidth - Defined (Ability to move data)





# Bandwidth History

## INTERNAL BANDWIDTH - DIRECT TO EACH SITE

- ▣ Prior to 2010 - 1.54 MB
- ▣ 2010 - Increased to 100 MB
- ▣ 2016 - Increased to 1000 MB (infrastructure upgrade completed 6/1)
- ▣ Usage is 40% of 100 MB during peak periods

## EXTERNAL BANDWIDTH - SHARED BY ALL

- ▣ 2010 - 45 MB
- ▣ 2013 - 1000 MB
- ▣ 2016 - 10000 MB
- ▣ Usage is 4% of 1000 MB at peak periods

# Aeries Parent Portal

- ▣ Launched in 2011-2012 school year
- ▣ Currently available for all schools
- ▣ May, 2012 - 1000 accounts representing 876 students
- ▣ May, 2016 - 2181 accounts representing 1727 students or 42% of enrollment

# Aeries Grade Book

- ▣ 98% Usage in the High Schools (Exception Special Ed)
- ▣ 98% Usage in Junior High (Exception Special Ed)
- ▣ 64% Usage in grades 4-6

# Tech Support Staff

- ▣ Site Techs at each location to address immediate needs
- ▣ Brian Enos added to Tech staff 8/2012
- ▣ Jerry Howe added to Tech staff 1/2016
- ▣ Each location sees a district tech at least one day a week to address any outstanding tech request

# Future Plans

- ▣ Continue to replace/e-waste aging PCs on schedule
- ▣ Start to replace older Chromebooks (3 year life)
- ▣ Continue to increase wireless coverage as necessary
- ▣ Build a 10GB network backbone for the District office as it becomes necessary

# Future Plans (cont.)

- ▣ Replace failing projector based Smart Boards with Flat Panel LCD Smart Boards (Projector Bulb Issues & Recalibration)
- ▣ Meet the goal of One Smart Board per classroom