INFORMATIONAL ITEM

July 19, 2010

To: Board of Education Members
From: Joanne Rathunde
Subject: Technology Report

Israel "Izzy" Llamas, our new desktop/network specialist has been working on several large projects in addition to the general maintenance/prep work we do every summer. He is a great fit and has hit the ground running. He is flexible, determined, and highly motivated. We are glad to have him on board! We still have more to do, but thus far the list of accomplishments is quite long!
- Switch Firmware Updates
  - Upgraded all switch firmware to latest version
- Switch documentation
  - Documenting Switch information (IP, Configuration, Location)
- Recycling
  - Preparation for recycling old equipment
- Wireless Authentication Reconfiguration
  - Moving away from WEP to Radius Web Based Authentication
- Wireless Controller/Packet Shaper
  - Wireless Auth, Enhanced Wireless network Security, Guest Access, Packet Shaping/Queuing to improve wireless performance
- Antivirus Server install
  - Installing Antivirus update server to reduce bandwidth consumption while updating
- Traffic/Performance Monitoring
  - Installed Cacti to monitor network and server performance
- IP Printing
  - Switching from Appletalk to IP printing on all computers to reduce network traffic and allow printers to be easily added with OS X 10.6
- Network Reconfiguration
  - DHCP, VLANS, Spanning-Tree, Reconfiguring Network Routes
  - Recreating DHCP ranges and VLANs to isolate traffic, enabled spanning tree protocol to prevent loops and broadcast storms. Created routes to allow hosts to communicate more efficiently.
- Imaging
  - Imaging labs to have current software and updates
- Phone Setup
  - Moving VOIP phones and regular phones extensions/locations
- Voicemail Server Replacement
  - Obtained hardware to replace voicemail server
- Intrusion Detection System
  - Installed/Configuring Snort for IDS
- Host Monitoring
  - Installed Nagios/Icinga for comprehensive host monitoring and reporting
- Software Updates
  - Update Windows and OSX servers