



To: Santa Fe Trail Board Of Education
From: Sean Cole Nelson
Subject: November 2013 Technology Report

Technology Summary

Tech staff have spent a great deal of time on iPad maintenance, iOS updates, app updates and regular iPad tech requests. November emphasis will be in and on lab and classroom computer equipment. October was the month of small and random power surges or outages. Each building has been affected at least one time or another this past month. Each issue was for a short period of time however, but did cause network hiccups. Each incident was addressed immediately and a two were while school was NOT in session.

iPads Jones Grant 2013

The iPads are being used diligently each and every day in all buildings. We have begun to purchase and install apps to iPads from the apple volume purchase program. Most apps are 50% less through Apple's VPP when compared to retail prices.



WAN and Infrastructure

- Mercury Wireless WAN has been a great improvement for the district in passing network traffic building to building. After installation we experienced minor instabilities at Overbrook. Mercury quickly switched out a radio and since links have performed seamlessly.
- The additional bandwidth added this summer is being utilized at 60-75% daily at highest peak times. Network traffic adjustments have been ongoing and daily to keep all equipment running as necessary. If the district increases the number of devices accessing the internet, it will be necessary to increase bandwidth.

Antivirus and Desktop Solution

- District currently uses LightSpeed systems for desktop Antivirus. LightSpeed will NO longer offer upgrades and updates with their AV program after December 2013. In November tech will begin to pilot a program by the name of K7 Enterprise Security. This program is developed and deployed specifically for education and public library programs.

Current Projects

- Daily Tech Support
- PowerSchool Custom Reporting and pages
- VPP Code Purchases
- Experiment and working in the Google environment
 - Create Google domain with possible plans to migrate
- Investigate ticket system and implement
- OAC, SAC and HS/DAC update subnets

Thanksgiving weekend break projects

- DAC Core Switch replacement
- Firewall install for redundancy
- OAC wiring closet basic maintenance
- Install wireless in FASTLANE building