

# Technology Department Update



Winter 2019

Just for fun





**KEEP  
CALM  
AND  
PUT IN A  
TICKET**

[www.royal.gov.uk](http://www.royal.gov.uk)

# 90 day Cyber Security Threat cycle

Phishing emails - All staff

Spear Phishing emails - Superintendent and Principals

Malware attack - Windows 7 machines

Denial of Service attack - Our Public IP address

Ransomware attack - Principal

Brute force attack - Firewall

# What Have We Been Up To?

Network Schema update

Munis upgrade (Overhaul)

Wireless environment upgrade

Papercut installation / RFID-Secure  
Printing

Youtube training videos

PowerSchool Updates

- Standards updates
- Registrations
- Grading Manual

Onboarding new equipment

# Network Schema Update

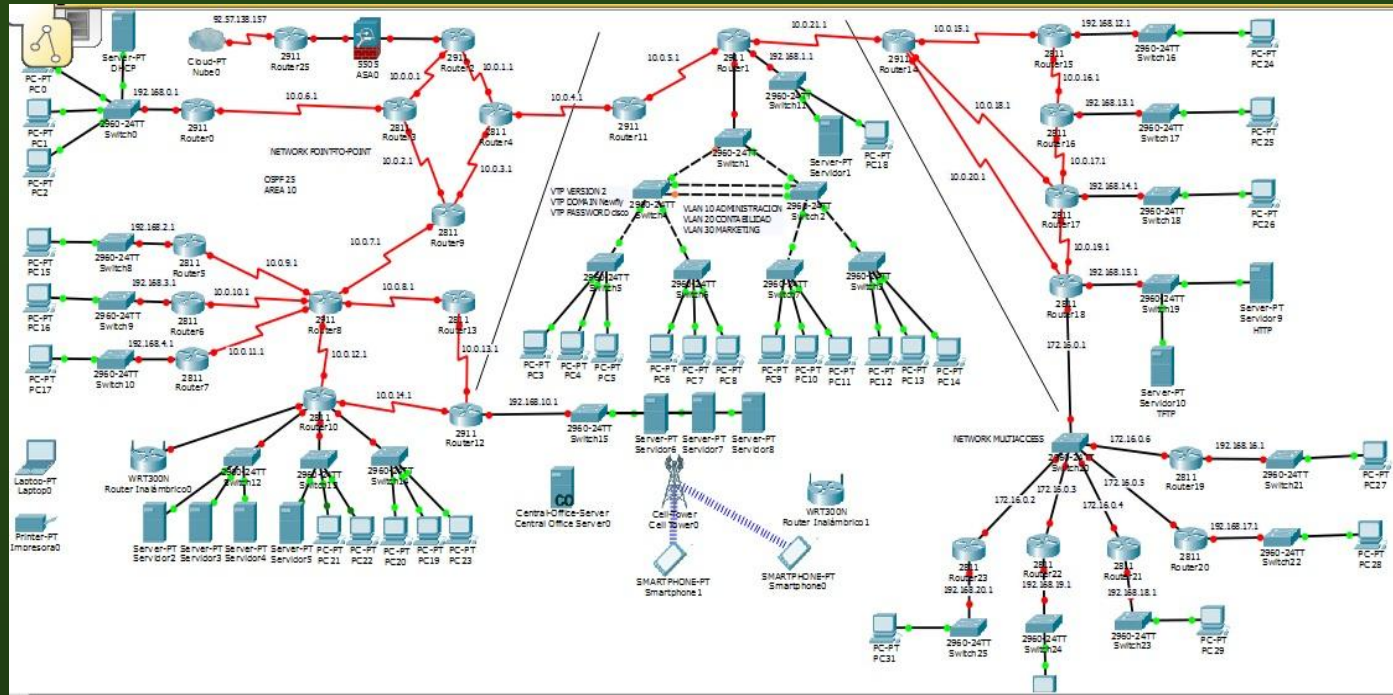
This is what had to be done before several upgrades:

Switch replacements

Switch / Vlan work

Network Auth certificate

WiFi environment





**AEROHIVE**<sup>®</sup>  
NETWORKS

[Look at the live Maps](#)

Real time tracking of signal coverage, network traffic, and connected users

Managed traffic flow in and out of our network

Intrusion prevention at the AP level

Four SSIDs that are universal across the entire district

RSD-Technology, RSD-Wifi,

RSD-Vendor, RSD-Guest

RSD-Guest is an open network available after school hours



# Munis Upgrade

This has been a ten month project	2011 (10.5,10.6,10.7,10.8) (4 revisions)
Two different changes to Munis	2012 (10.9 - 10.15) (6 revisions)
We went from self hosted	2013 (11.1 - 11.18) (18 revisions)
(on our server in the SAU basement)	2014-2016 (11.19 - 17.6) (8 revisions)
To Tyler hosted (SaaS) Amazon rackspace with disaster recovery	2017 - Platform change to HTML/XML <i>36 revisions then a back end engine change</i>
	We are now at version 2018.1



# Munis Training

**Training** — Precise training for our existing modules; available online or on-site (when appropriate) (5 Days)

**Investment Assessment** — An in-depth evaluation by a senior consultant of your revenue, payroll/HR, financial, or EAM processes once every three years that you're enrolled in the PACE program

**Registration for Tyler's Connect conference** — Munis users will benefit from instruction, round table product discussions, and networking with more than 4,500 public sector professionals (attendance optional)

**We are starting with the evaluation of our financial module.**

# RFID Printing / Tracking

The Tech department installed Papercut during the summer of 2018 as monitoring software. This past summer we went live with active controls

RFID printing has enabled for the entire district

During the district day all Teachers and Staff visited with IT staff to have their ID's activated

All Teachers and Staff will be required to print to the Canon printers with the exception of Art Teachers. Students will print to the MFP printers

No printing/copying limits will be placed during the 19-20 school year

# Card Reader



# RAYMOND SCHOOL DISTRICT

# SAU33 Tech Department



SAU33 -Tech Department

24 subscribers

CUSTOMIZE CHANNEL

YOUTUBE STUDIO

HOME

VIDEOS

PLAYLISTS

CHANNELS

ABOUT



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▶ PLAY ALL



Google Classroom Notifications

11 views • 1 year ago



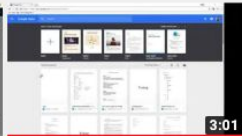
Introduction to Google File Stream

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Creating PowerSchool Assignments

20 views • 1 year ago



Helpful Google Tips Episode #3 | How to save a Google...

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Helpful Google Tips Episode #2 | Creating and editing...

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Helpful Google Tips Episode #1 | Find Shared folders

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# Powerschool Updates

The Student information database was rolled over in July

Standards finalized for the 19-20 school year

A Powerschool grading manual was released for Teachers at the beginning of the year, a manual for Administrators is in development

Registrations for returning students out of 1143 requests for updates 996 were completed as of 12/10/19

# Onboarding New Equipment

300 Chromebooks - (11 Carts)

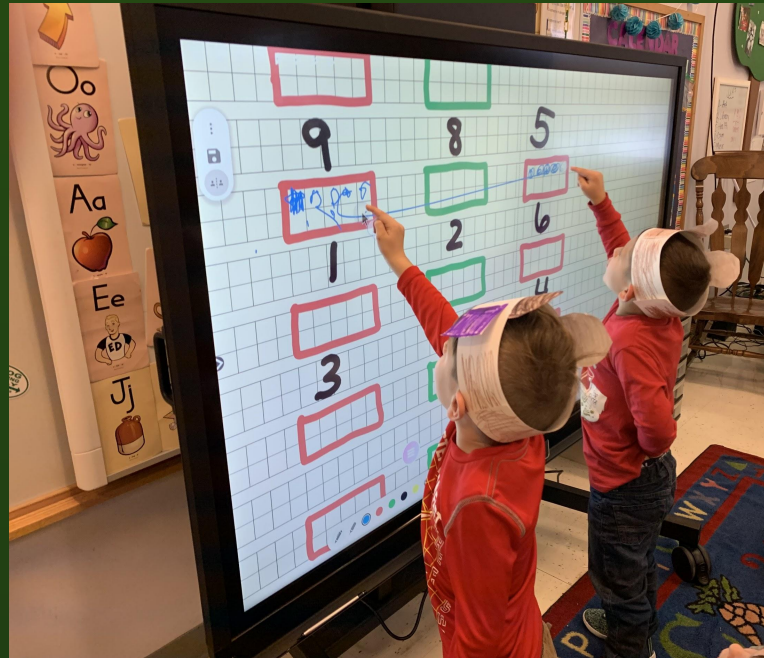
40 iPads - (2 carts)

12 Promethean Boards

45 Teacher Laptops

12 Special Ed & District

Machines



# School Dude Upgrade

Changing from Incident to Help Desk over the Holiday Break

We will now be able to associate hardware and software with users and tickets.

This will give us the ability to predict issues/problems

In the long term it will make technical support more efficient and cost effective.

The user advantage - Entering a ticket becomes as easy as sending an email

# Technology Integration

At the Elementary school we will be working with Abigail Samsel co-teaching a lesson on Basic Coding “Hour of Code”



At the Middle School we will be working with Julie Gamage co-teaching a lesson on the basics of computer hardware “What is a hard drive?”