

2013 - 16 Technology Plan Update

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Goal 1 - Educator Proficiency

Enhance professional development for teachers so they can:

- more fully integrate technology into their lessons;
- take advantage of extended student access to technology for learning.



Goal 2 - Technology Access

Increase access to technology for students via:

- More devices, all of which must be PARCC compliant;
- Technology anytime, anywhere capability for grades 6-12;
- Completion of the move to a single platform at K-5 schools;
- Increased network infrastructure and Internet access capacity to respond to more student devices, growing web-based computing, and more technology integration into the curriculum.

Goal 1 - Educator Proficiency:

Strategy - Professional Development

Professional Development (PD) for teachers to expand and support integration of technology into the curriculum

- Expanding formal technology PD courses
- Reopening positions for certificated PD staff who focus on technology integration and who support 21st century learning communities

PD - Indicators of Success

● March 2014	30 RPS faculty & staff members attended NY/NJ Google Summit
● April 2014	Google Apps class provided to Ed Center staff
● June 2014	16 Teacher Tech Coaches selected
● July 2014	140 staff participated in Google Summit at Smith School in Ramsey

PD - Indicators of Success

● August 2014	Two “Google in a half” PD Sessions
● September 2014	“Imagine the Possibilities” Day
● October 2014	Google Apps for Support Staff Training
● October - December 2014	In Service PD Classes Offered

Course Offerings

- 54 Technology-based courses were offered in the 2014 Fall PD Catalog.
- Only 6 were cancelled or postponed.
- Postponed courses were either rescheduled in January or will be offered in the Spring.
- 46 Technology-based courses will be offered in the 2015 Spring Catalog.

If You Build It, They Will Come

- 230 participants registered for the fall course offerings.
- As of January 12, 2015 - 128 participants have accumulated 6 or more credit hours.
- So far, just over 25% of our staff have earned the day off on April 6th!



PD for Everyone

Beginner:

- Google Bootcamp
- Google Apps from the Beginning
- I Have Chromebooks, Now What?

Intermediate

- Formative Assessment Tools
- Using Google Sites
- Pear Deck for Assessment
- Managing your Drive

Tech Coaches - Trainers & Mentors

- 12 Hour In-Service PD requirement
- 80 Hours overall of coaching requirement
- 2 Google Education Trainers
- 3 Google Certified Teachers (with more on the way)
- Have helped in various in-district presentations as well as out of district presentations (NJECC)

Goal 2 - Technology Access: Strategies - Cloud Computing, 1:1, Enhanced Infrastructure

- Google Apps for Education (GAFE) proved richer, more efficient, and more economical than Virtual Desktops for Cloud Computing
- Chromebooks are the most effective device with GAFE:
 - Built-in wi-fi: anytime, anywhere access
 - Fast boot-up, long battery life
 - Automatic updates, web-based applications & storage
- Infrastructure enhancements are focused on Internet access from the Cloud to the Chromebook

Technology Access - More Devices - Indicators of Success

- **RHS - September 2014
1700+ Chromebooks deployed to all students**
- **K-8 - 610 Chromebooks on carts purchased through lease purchase**
- **Total of 2410 Chromebooks purchased thanks in part to our partnership with The Foundation.**



Technology Access - Single Platform - Indicators of Success

- Ridge School was the last to be migrated from Apple computers.
 - Ridge chose to migrate to Dell Chromebooks rather than going with Dell Windows Desktops and Laptops.
- Small pockets of Apple computers still exist in K-12 where appropriate (Art, Music, etc.)

Technology Access - PARCC Readiness - Indicators of Success

- Chromebooks for testing (wireless, long battery life)
- Mice provided for younger students if needed
- Headphones available as needed
 - grades 3-5 students have headsets in school
 - grades 6-12 BYOH
 - spare headphones ordered
- Ubiquitous wireless
- Proctor caching servers to relieve demand on the Internet connection

Technology Access - Network Infrastructure & Bandwidth - Indicators of Success

- RHS components upgraded to fully utilize network capacity:
 - all switches take advantage of 10Gbs fiber backbone
 - all cabling for wireless access is now CAT-6 Ethernet
 - all wireless access points are latest wireless protocol 802.11ac (1Gbs/second)
- BF & GW switches upgraded to Cisco 2960S in preparation for 10Gbs backbone, upgrading cabling & wireless in 2015-16
- K-5 schools wireless expanded to provide coverage in all classrooms and offices

What's Next?

Next Steps: Educator Proficiency

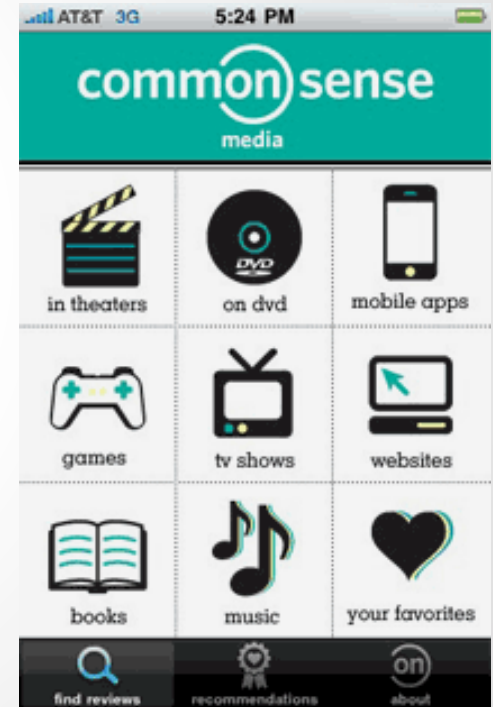
- Continue with Tech Coaches model - provide the coaches with more training on coaching.
- In 2015, we will operate off a growth model. We will capitalize/focus on teachers' strengths to foster growth in all areas.
- Identified progressive teachers will turn-key skills, knowledge, and insight and have been asked to give PD courses through our District PD program.
- Each grade level in elementary has technology-infused units of study.
- In planning phases for next year's follow up to the "Imagine the Possibilities" day as well as technology PD days.

Next Steps: Technology Access

- 1:1 Chromebook initiative in BF & GW
- More Chromebooks on carts for K-5 buildings
- Upgrade backbone fiber for BF & GW to 10Gbs
- Upgrade wireless cabling in BF & GW to CAT6
- Upgrade access points in BF & GW to 802.11ac
- Address cabling needs in K-5 for wireless upgrade
- Upgrade Internet connection speed to 1000/mbps

Next Steps: Digital Citizenship

- Introduce a Digital Citizenship Curriculum from Common Sense Media to K-5 Schools in 2015-16.
- Introduce the Digital Drivers License to students 6-12 in 2015-16 school year.



Next Steps - District Website

- District Website Committee forming
- Need to move from Schoolfusion to another CMS platform
- E-Rate funding ended



Thank You

- Very special thanks to everyone in the RPS Technology Department.
- Thank you to:
 - Dr. Fishbein
 - Tech Plan Committee Members
 - The Ridgewood Board of Education
 - The Foundation
 - RPS Home & School Associations
 - District Administration, Teachers & Staff