Boston Public Schools Goes Google with Chromebooks and Google Apps

June 3, 2014
2PM ET

John Allen, Google for Education
Sean McMahon, Network Security Manager, Boston Public School District
Agenda

● Open technology to improve learning
● Google in Education offering to schools
● Boston Public School District Story
● Question & Answer
60%
Prepare students for jobs that don’t yet exist
Connecting and discovering in ways we never thought possible
Learning for everyone, anywhere
“Going Google means adopting a culture that extends beyond the classroom walls: it’s about openness, curiosity, and working together.”

– Jim Sill
Educator & Trainer
Visalia, California

Empowerment
Discover a world of infinite resources

Choice
Use the right device, anytime anywhere

Teamwork
Work together in real-time

Scalability
Affordable and easy to manage
Access to digital content empowers students and gives teachers the tools for individualized learning
Seamless and secure access across multiple devices gives students, teachers and administrators choice.
Students and teachers use Google Apps for writing across multiple devices, so they can work together anytime, anywhere.
Manage 4 devices or 40,000 all from a web browser

Scalability
Classrooms have not changed much in 70 years

**Past**

Research technology

**Present**

Classrooms
Open technology can help transform education

Platform

Devices

Content
Google Apps core services

Drive
Collaborate as you create

Calendar
Share schedules and calendars instantly

GMail
Keep everything and find it fast with search

Groups
Create and work in teams easily

Talk
IM and video chat as easy as email

Sites
Make and manage your own sites
Admin console for Google Apps

Centralized cloud-based management
Create & manage users
Create organizational units
Enable/disable certain Google Apps & adjust settings
Chromebooks for Education

Get to lessons faster
Same experience everywhere
Easy to share
Safe and secure
Benefits of Chromebooks for Education

Easy set-up and management
- Manage 10 or 10,000 Chromebooks with ease
- Web-based management console makes it easy for schools to configure and manage a set of Chromebooks

Classroom impact
- Battery that lasts the school day
- Devices boot up in 8 seconds
- Access to a world of information
- Google Apps allow students to collaborate

Affordability
- Devices starting at just $279
- Low cost of management at only $30
We offer a range of affordable Chromebooks

- Samsung Chromebook 2
- Toshiba Chromebook 13
- Dell Chromebook 11
- Acer Chromebook 720
- HP Chromebook 14
Tablets with Google Play for Education
Designed for learning, made for the classroom

It’s never been easier to…

- Deploy
- Discover
- Deliver…

Teaching & learning resources
Benefits of tablets with Google Play for Education

**Deployment**
- With devices starting at $229, 1:1 is affordable
- With NFC configuration, simply touch tablet to tablet to set up a classroom of devices in minutes
- Students sign in with Google Apps for Education logins

**Discovery**
- In Google Play for Education browse for apps approved for teachers by teachers or search 1 million apps in the full catalogue
- Filter by grade, subject, or education standard (incl. Common Core)
- Also discover videos from approved education YouTube channels

**Delivery**
- Purchase with POs (no credit cards required)
- Deploy apps to 1 student, 1 class, or 1 district via the cloud with just a few clicks
Your choice of affordable tablets, with access to Google Play for Education

Pick the approved tablet that’s right for your students

- **Nexus 7** (7 inches)
- **Samsung Galaxy Tab for Education** (10.1 inches)
- **ASUS Transformer Pad** (10.1 inches)
- **HP Slate 8 Pro** (8 inches)

Then get access to Google Play for Education
Filter to find EDU-approved apps by subject, grade, and standard

Search with keywords

Grade level, free or paid

Select the subject

Common core standards

https://play.google.com/edu/W251bGwsY251bQwicmRmYsc6a29udw9w6FsalZyR1O2N1X1YmpyY3Q7hYW0aGVoXRRpY3NMLC

 Educator Record

- All Common Core Standards
- Understand decimal notation for fractions, and compare decimal fractions.
- Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.
- Extend understanding of fraction equivalence and ordering.
- Generate and analyze patterns.
- Gain familiarity with factors and multiples.
- Use the four operations with whole numbers to solve problems.
- Generalize place value understanding for multi-digit whole numbers.
- Use place value understanding and properties of operations to perform multi-digit arithmetic.
- Geometric measurement: understand concepts of angle and measure angles.
- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
- Represent and interpret data.
- Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

Reading Standards: Foundational Skills
Boston Public School District
Boston Public School District

Our Team:

- Mark Racine, Chief Information Officer
- Andy Horgan, Dir of Network Infrastructure
- Sean McMahon, Network Security Manager
- Krissy Matthews, Project Manager
District profile

“Focus on Children”

Over 57,000 students in 140 schools and centers
Why did we decide to Go Google?

Integrated solution in partnership with the city of Boston

- City Hall, Fire Department, and Police Department
- RFP Process - replace two aging email systems
- Hosted reps in RFP meetings with all parties to hear the presentations
- One Google partner to handle fulfillment
Goals & Priorities

- Cloud platform to enhance collaboration
- Foster student learning & 21st century skills
- Cut down on IT support time
Challenges & Highlights

Highlights
- Great for PARCC testing
- Easy platform
  - Collaboration
  - Updates instant
  - New features automatic
- Educator enthusiasm
- Constant full mailboxes @200Mb limit. 30Gb now.

Challenges
- Adoption of new platform
- Consolidating accounts for schools that had already “gone google” in smaller ways
- Student account management
Deployment & Adoption

Deployed in three groups

- Pilot
- Early adopters
- Full roll-out
Site resources

The Google Forum
Ask and help answer questions about Google Apps. If you are facing a technical issue (ex: missing mail, contacts or calendar data) then please contact your support desk.

Welcome to the Google Forum. This is a place for you to ask and help answer questions about Google Applications within the City of Boston.

- How to move your GDrive files from your old account to your new BPS account (1)
  By ap...@bostonpublicschools.org - 1 post - 29 views
  12/17/13

- links to email addresses (2) Answered
  By Maureen Murphy - 2 posts - 106 views
  11/8/13

- Windows 8 instructions (1)
  By andrew....@boston.gov - 1 post - 0 views
  May 22

- How do I send a contact to someone via email? (1)
  By stephan...@boston.gov - 1 post - 1 view
  May 15

- Calendar invites going out as Greenwich Mean Time (1)
  By charlotte...@boston.gov - 1 post - 2 views
  May 8

- Forums
- How-to Video
- Training guides
- Webinars, etc...
Project Details

Promo Video

[youtu.be/zHFz-OfRoWs](youtu.be/zHFz-OfRoWs)
21st Century Skills
Easy Collaboration
Enhanced classroom learning
Deployment & Adoption

Planned and deployed 6500 Chromebook rollout in 90 days - in time for 2014 PARCC

- Assembled an OIIT team
  - Business
  - Deployment Logistics
  - Resources / Training
  - Reseller and Google
Assessments

How hard is it really to use Chromebooks for PARCC?
Assessments

Organizational Units

Drag & drop!

30 minutes to reset, or immediately with a reboot
Assessments

2 Phases of testing
- One in March-April
- One going on now

Used all of the school’s Chromebooks for testing purposes
Assessments

Issues?

- Just make sure devices have latest ChromeOS version
- Sent out a broadcast email to instruct school PARCC coordinators on update process
Lessons Learned

- Work with a high-quality reseller
- Make communication a priority - Emails & Google Sites
- Invest in professional development

What’s Coming Up

- Grouping users by Organizational Unit
- Redesigning account provisioning process
- Exploring Tablets
- Exploring content from third-party apps
Questions?

Learn more:
google.com/edu/gogoogle