Results from Richland School District Two Going 1:1 with Google for Education
February 5, 2014

Renee Doyle, Google in Education Team
Donna Teuber, Technology Integration Coordinator, Richland School District Two
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
Open technology can help transform education

Platform

Devices

Content
Classrooms have not changed much in 70 years

**Past**

Research technology

**Present**

Classrooms
Google Apps are free web-based email and collaboration tools
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
30 million students, teachers, and staff use Google Apps for Education
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
Easy set-up and management

**Seamless setup**
Touchless deployment and personalization of devices & user experience.

**Admin console**
Organize and manage device settings & policies from one web-page.
Devices that are at home in the classroom
We offer a range of affordable Chromebooks

- Samsung Chromebook
- Acer C7
- HP Chromebook 11
- Lenovo ThinkPad
- HP Pavilion
The Google admin console
Scalable cloud-based management of Chromebooks

- Security built in
- Forever fresh
- Proxy filters
- Disable guest access
- Kiosk mode
- PARCC and smarter balance compliant
Content: the Chrome Web Store

Wevideo
Khan Academy
Pixton
OpenClass
Khan Academy
NetSupport
Sumo.TM
Stupeflix
Glogster EDU
Zengenx
Loupe
Wixie
Lucidchart
TypingClub

https://chrome.google.com/webstore/category/apps

chrome web store

Search the store

Sort by:
Recommended

Step 1: Don't Rackf酪er on drawing confidence.
Step 2: Select resistor symbol from Electronic Symbols and click on drawing area to draw it.
Step 3: Draw computer inside and label it.
Step 4: Add text

Typing Test

Web Lab

Planetary

Planetarium

Learning languages for free duolingo

Typing Test - KeyHero

Recommended for you

Google in Education

Google confidential | Do not distribute
Chrome Apps Packs feature popular apps by grade level
Private app collections

Recommend curated apps
Exclusive collection “for your domain”
Default landing page
Hosts public apps and private apps
Bulk app management in the admin panel

Bulk pre-install apps to user groups via the admin panel
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
# Three tablet options in the program

<table>
<thead>
<tr>
<th></th>
<th>Nexus 7</th>
<th>HP Slate 8 Pro</th>
<th>ASUS Transformer Pad</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Availability</strong></td>
<td>Immediately</td>
<td>Early 2014</td>
<td>Early 2014</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>7 inches</td>
<td>8 inches</td>
<td>10.1 inches</td>
</tr>
<tr>
<td><strong>Camera</strong></td>
<td>Front &amp; rear camera</td>
<td>Front &amp; rear camera</td>
<td>Front &amp; rear camera</td>
</tr>
<tr>
<td><strong>Starts at</strong></td>
<td>$229</td>
<td>$TBC</td>
<td>$249 + $70 Asus Mobile Dock (w/ keyboard)</td>
</tr>
</tbody>
</table>
Two steps for IT admin before device setup

Before device set-up, the IT administrator must first do two steps:

1. Set up Google Apps for Education for their school, including Google Groups for sets of students.
2. Create a Google Spreadsheet of student usernames and passwords in the Google Drive folder of the admin account.
Admin console for tablets

Device policy for students only!

Lock settings on tablets

Block apps on tablets
Set up an entire classroom of tablets in minutes
Google Play for Education
Content that inspires

Discover a range of content in Google Play for Education

Browse EDU-approved apps by grade, subject, and standard

Identify apps approved for teachers by teachers

Use POs where payment is required, and deploy apps instantly
Filter to find EDU-approved apps by subject, grade, and standard

Grade level, free or paid
Select the subject
Common core standards
Use the search bar to search over 1 million apps in all of Google Play
Identify educator approved apps by the yellow badges

**EDU** signifies that this app was approved by educators who reviewed app quality.

**IN APP FREE** means that the app does not allow in-app purchases.

**AD FREE** shows that the app does not contain ads.
Purchase a set of apps with a PO and deploy to tablets instantly

Update the quantity...

...and the price updates
Also discover videos from approved YouTube EDU K–12 channels
“75 apps for your class” helps you find top tools for students

Visit goo.gl/pG9DVT to access it
Richland School District Two: 1Two1 Early Results

Our Team:

- Dr. Debra Hamm, Superintendent
- Tom Cranmer, Chief Technology Officer
- Sue Mellette, Chief Academic Officer
- Nancy Gregory, Executive Director of Academic Services
- Tommy Carter, Senior Systems Engineer
- Donna Teuber, Team Leader for Technology Integration
- Technology Integration Specialists: Pam Hanfland, Chuck Holland, Lisa Knoche, MaryAnn Sansonetti-Wood, Janine Sears
District profile

Over 26,000 students in 39 schools and centers

- 18 elementary schools
- 7 middle schools
- 5 high schools
- 4 magnet centers
- 2 child development centers
- 2 alternative centers
- Adult education

Inquire + Ignite + Inspire
Project goals

- Improved student learning
- Student engagement
- 21st century skills
- Project-based learning
- Equity of access

21st century skills

- Communication
- Collaboration
- Critical Thinking
- Creativity
Access for all students
Chromebooks
Google Play for Education
Resources to support instruction

- Google Apps for Education
- Digital Starter Kit
  - Google Apps for Education
  - WeVideo
  - VoiceThread
  - OverDrive
  - eTextbooks
  - Hapara Teacher Dashboard

- Other tools and resources for Common Core
Personalized, authentic, and collaborative

- Blended learning
- Project-based learning
- ePortfolios
- Online collaboration
- Publishing
- Virtual field trips
- Online assessments
- Technology for intervention
Redefining learning environments

• Reading
• Writing
• Listening
• Speaking
• Digital Literacy
• 4 Cs

Can we continue to use the same instructional methods and classroom environments to develop 21st century skills and prepare our students for the CCSS?
Evaluating sources of information
Close reading and independent reading

Google search for "salt marshes "South Carolina""

Results by reading level for salt marshes "South Carolina":

- **Basic**: 11%
- **Intermediate**: 47%
- **Advanced**: 42%

**SCDNR - Salt Marsh - South Carolina** Department of Natural Resources
www.dnr.sc.gov/marine/pub/seascience/dynamic.html
Advanced reading level
A introduction to salt marshes, their dynamics and biology, and the importance of their conservation.

**SC Life: The Salt Marsh - Knowitall.org**
www.knowitall.org/scliffe/test.html
Intermediate reading level
Salt marshes are found around the world, but the one you are about to tour can be found right here in South Carolina on the North American continent.
Supporting claims with evidence

Forming Evidence-Based Claims

Interesting Details
- Detail 1: Started the saying ‘Merry Christmas’
- Detail 2: He left his wife that had 10 kids to get married with Nellie.
- Detail 3: He wrote one of his stories when he left his wife, and tries to get Nellie to like him.

Connecting the Details
- What I think about detail 1: That he cared about the traditions, and wanted people to celebrate Christmas.
- What I think about detail 2: He really didn’t care about his wife, and wanted someone else to love. And told his children to never talk to their mom.
- What I think about detail 3: He was really into writing, and he made the Christmas Carol. He was so into it, he left his wife to go with some to write a story about.

Making a Claim
- How I connect the details: He was into writing, and wanted to influence other people with his stories.
- My claim about the text: My claim about the text is that even though he cares about other people following tradition, he doesn’t exactly follow them himself.
Gather information from digital sources

Seeing-Eye Dog

Most dogs are pets, **some dogs have jobs**. Seeing-eye dogs have a special job. They help people who can't see.
Improve the writing process

Seeing-Eye Dog

Most dogs are pets, some dogs have jobs. Seeing-eye dogs have a special job. They help people who can’t see.

Seeing-eye dogs are also called guide dogs. These dogs guide, or lead, blind people. The dogs can help them get anywhere they want.
Add drawings to stories or poems
Integrate multimedia into presentations
Choose digital tools to publish and present

Jameel's Art Blog

Wednesday, January 8, 2014

Related Artist: Christine McCarthy

Christine McCarthy received a diploma for fine art from the South Australian School of Art in 1976. She has been working as an artist for over 20 years. The subject of most of her art themes is nature. She cites Japanese woodblock artist Hiroshige as one of her major art influences. Since 1981, she has been teaching at Ruth Tuck Art school.
College and career readiness

Hour of Code
Conditions for success

- Access to technology
- Ongoing professional development
- Technology integrated into high quality instruction
Logic model

Provide technology access and professional development

Improved instructional quality by teachers

Improved student engagement

Improved academic achievement

School wide and long term outcomes

PART ONE
Process Evaluation

PART TWO
Outcome Evaluation

Getting to Outcomes® Evaluation Team
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Measuring outcomes

- Classroom observations and focus groups
- Outcomes and measures mapped
- Quality Implementation Tool in use with checklist
- Surveys – parent, teacher, and student
- 21st Century Skills Assessment
Bridging the digital divide

21,000+ Students with access to 1:1 technology

Pilot to provide families with Internet access
Dosage

65% of classrooms were using devices during announced observations
Infrastructure and Chromebooks

“There was little to no disruption in learning during either observation period due to downtime of technology infrastructure.”
Ownership and care of devices

- Students are excited about lessons
- Students like being trusted with devices
- Student Tech B@r at high schools
Classroom observations

Devices were used most often for online research and as a tool for production.

Growth observed on the SAMR progression.
“Spring 2013 observations showed a positive trend over Fall observations.”
TPACK fit

Teacher Confidence in Choosing Technology that Enhances Teaching and Learning

- **Elem**: Strongly Disagree 0.6%, Disagree 6.8%, Agree 52.9%
- **Middle**: Strongly Disagree 0.4%, Disagree 6.2%, Agree 35.4%
- **High**: Strongly Disagree 0.8%, Disagree 8.0%, Agree 61.3%

Getting to Outcomes® Evaluation Team
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Professional learning

High teacher satisfaction
Technology and learning coaches
Technology integration team
Professional learning quality

8 PD Quality Dimensions

- Tailoring
- Ease of Transfer
- Time for Practice
- Availability of Support
- Engagement
- Coaching
- Collaboration
- Feedback

PD Quality by Grade Level

Percentage of Teachers Responding “Agree” or “Strongly Agree” for the 8 PD Quality Dimensions

Getting to Outcomes® Evaluation Team ©GTO LLC
Change management and leadership

- Focus on Project RED key implementation factors
- Common Core and 21st century skills
- Monthly leadership sessions
Teacher reports

- Teachers see themselves as being facilitators
- Sharing work and grading assignments is easier
21st century learners

Meet the 21st Century Learner
Learn more

- Follow our Blog: http://r2tisnews.blogspot.com/
- Learn more about our 1TWO1 Initiative: https://sites.google.com/a/richland2.org/1two1implementation
- For more information, contact Donna Teuber: dteuber@richland2.org

Kid Chrome created by Tami Lenker, Technology and Learning Coach
Questions