Going 1-TO-1 With GOOGLE FOR EDUCATION: Firsthand Experience With Google Apps & Chromebooks

Content provided by Google for Education
Going 1:1 with Google for Education: Firsthand Experience from Educators

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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
$0
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
- Acer C7
- Lenovo ThinkPad
- HP Chromebook 11
- 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
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, $259)
Samsung Galaxy Tab for Education (10.1 inches, coming soon)
ASUS Transformer Pad (10.1 inches, coming soon)
HP Slate 8 Pro (8 inches, coming soon)

Then get access to Google Play for Education
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

Search with keywords

Grade level, free or paid

Select the subject

Common core standards
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
“75 apps for your class” helps you find top tools for students

Visit goo.gl/pG9DVT to access it
Using Google and Chromebooks to Change Education

David Andrade

Chief Information Officer, Bridgeport Public Schools
Physics Teacher and EdTech Specialist for 10 years
Engineer for 10 years before that
BS in Aerospace Engineering, MS in Educational Tech and MS in Educational Leadership.
Tech Blogger

http://educationaltechnologyguy.blogspot.com
Tech&Learning and SchoolCIO

Google+  DavidAndrade
21,000 students, PreK-12
40 Buildings
3500+ staff
19,000 computers/laptops/Chromebooks (10,000)
Full Data Center with Gigabit Fiber
IT staff of 14 (CIO, Accounting, 3 Network Engr, Help Desk, W Techs)
Network, PCs, Laptops, Chromebooks, accounts, Servers, Switches, Wireless, Printers, VoIP, phones, Fax, Software, Systems, Security systems, email, etc.

All students and staff have GAfE Accounts
What are we trying to do?
What do we want to accomplish?
How will this help students learn?
How will this improve teaching and learning?
But our challenge is how to move beyond just substituting what you’re doing before with technology, to transform your districts to increase engagement and prepare kids for their futures?
Educators should demonstrate certain traits to effectively serve today’s learners:

• A balance of confidence and commitment to education
• A modern art of teaching infused with digital literacy
• The instructional ability to nurture a flexible set of competencies
• A classroom delivery and a growth mindset to be agile, adaptive, and build pathways to success
• A propensity toward design thinking

That’s why I’ve #GoneGoogle.

Rich Kiker
Founder of Kiker Learning
Why GAfE and Chromebooks

Student engagement
Interactive, student centered
Reach the world

Free GAfE and web apps
Inexpensive devices with minimal IT support needed
Fast startup
Easy to use and manage.
How Did We Get Here?

+ + +

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Transform Education

Make education:
- inspiring
- engaging
- interactive
- collaborative
- explorative
- creative

And, dare I say, fun!
Bloom’s Revised
“We don't teach 20th Century students, thus we can't use 20th Century teaching and learning strategies and expect to successfully prepare our students for their futures. ….

Our students are technologically savvy, interconnected, and able to find answers to most simple queries in a matter of moments. **Teachers are no longer the disseminators of information**, instead we must teach students how to use information to solve complex problems and apply those skills to realistic tasks.” - Grayslake HSD 127
Customized and Personal Learning

What happens when learning is Rewindable and On-Demand
tips for Going Google and Chromebooks
Getting Started

First steps

Educational apps

Teach the essentials

[Links]

http://goo.gl/7e8Op2

My Resource Site

http://goo.gl/fYQCGc

http://goo.gl/JI7iMw
Possible Concerns
Offline Google Apps

- Gmail Offline App (write and view emails)
- Google Calendar (create and view events)
- Google Spreadsheets (view only)
- Google Documents (edit and view docs)
- Google Presentations (edit and view Presentations)
- Google Drawing (edit and view Drawings)

More Offline Apps: Chrome Web Store
Resources

GAFE /Chromebook Resource Site: http://goo.gl/UxFb6O


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