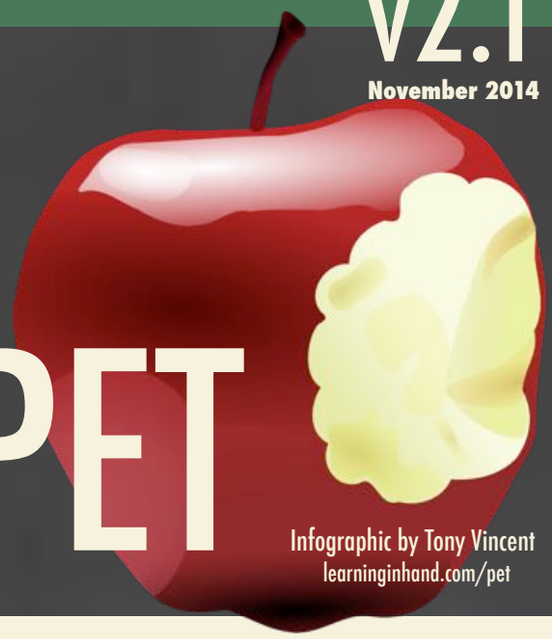
Got an iPad? Then you've got a handy assistant to help you be an even better teacher!

v2.1
November 2014

iPad as the TEACHER'S PET



Infographic by Tony Vincent
learninginhand.com/pet

SHOW ON A BIG SCREEN

Let students see what you see you on your iPad's screen by **mirroring** it to a projector.
You have several options when it comes to mirroring...

WIRELESS Requires devices to be on the same WiFi network. Network must have open ports for AirPlay.

WIRED

Apple TV

$99

Connect an Apple TV to your projector and use iPad's AirPlay feature to mirror. Requires HDMI or HDMI to VGA adapter.

AirServer

$14.99

Install software on your projector-connected computer and use iPad's AirPlay feature to mirror the screen.

Reflector

$12.99

Install software on your projector-connected computer and use iPad's AirPlay feature to mirror the screen.

VGA or HDMI Adapter

$30-$50

Connect directly from your iPad to a projector. Which adapter do you need?

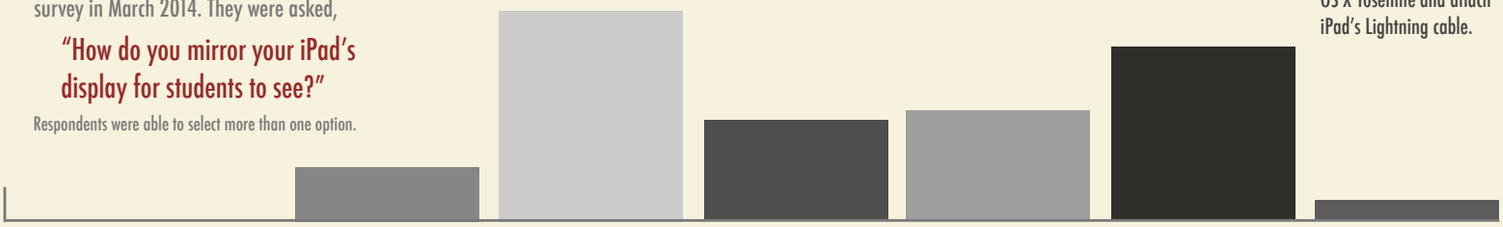
iTools or OS X Yosemite

Install software on your projector-connected computer and attach iPad using its USB cable. Or, upgrade your Mac to OS X Yosemite and attach iPad's Lightning cable.

558 iPad-using teachers on Twitter answered a survey in March 2014. They were asked,

"How do you mirror your iPad's display for students to see?"

Respondents were able to select more than one option.



10% do not mirror their screens

39% use an Apple TV

19% use AirServer

20% use Reflector

32% use an adapter

4% mirror in other ways

When your iPad is mirrored to a projector, you can show anything that runs on your iPad, including...

Skitch

Draw and annotate over saved images or over photos you take with the camera.

Popplet Lite

Make colorful concept maps that can include text, images, and drawings.

$6.99

SMART Notebook

Create and use interactive slide decks. You can even import many existing SMART Notebook files.

Stage Whiteboard

Use iPad's camera to display live video of objects, textbooks & student work. Sketch, write, label, or point over what the camera sees in real time.

Justand Document Camera Stand — Belkin Tablet Stage

The Stage Whiteboard app can help turn iPad into a document camera. For best results, buy, find, or improvise a stand for your iPad.

Control your projector-connected computer wirelessly.
Walk around the room while seeing and using your Mac or PC on your iPad.

FREE Free versions have some limitations or watermarks.

PAID

Doceri

Install Doceri Desktop on your Mac or PC. Then use Doceri to control and annotate your computer's screen.

Mocha VNC Lite

Set VNC server settings on your Mac or PC. Then access that computer from your iPad.

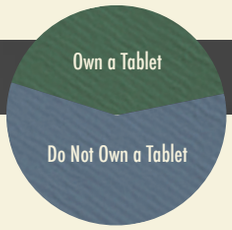
Splashtop 2 Remote

Install Splashtop Streamer on your Mac or PC. Then access that computer from your iPad.

Splashtop Whiteboard

Not only can you view and control your computer, but you can draw, highlight, write, and spotlight.

According to the Pew Internet & American Life Project, over 42% of American adults owned tablet computers in January 2014.



MANAGE. THE CLASSROOM

Use your iPad to randomly select students, monitor noise levels, display messages, track behavior, and count down time.

These apps are free of charge unless otherwise noted.

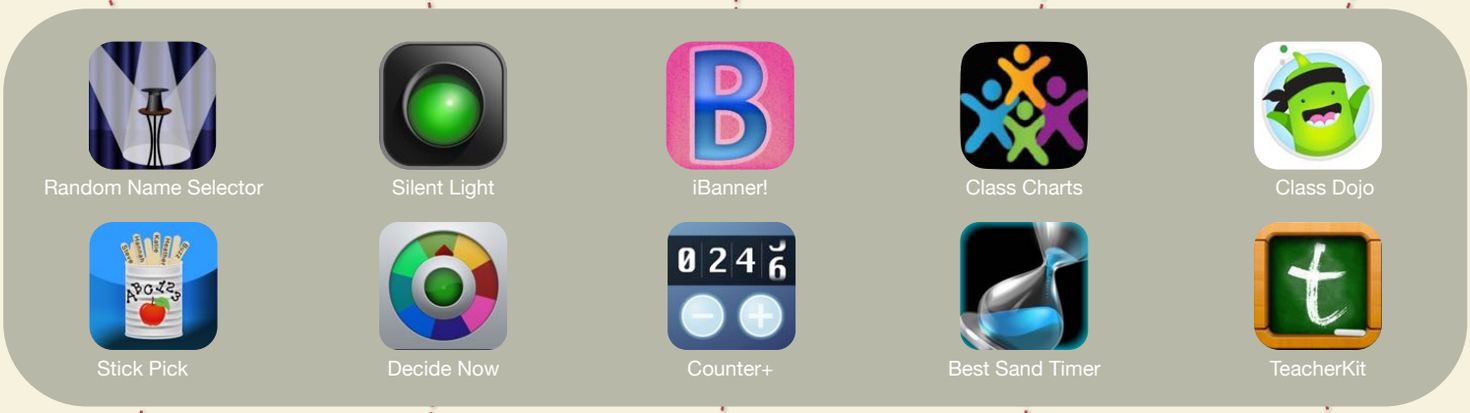
Input student names into Random Name Selector then draw them randomly out of a hat.

Monitor noise levels, tally points, and display a learning intention with Silent Light.

Enter Text into iBanner! to create a scrolling sign.

Use classcharts.com to create seating charts and record behavior.

Use ClassDojo to track student behavior by awarding and subtracting points.



Pick a student at random by giving your iPad a shake or tapping the screen in Stick Pick. You can record how well students respond.

Use Decide Now to create a wheel of options. Spin it to randomly select from the options. Use for class rewards, lesson extensions, math problems, etc.

Counter+ is a replacement for mechanical counters. Use it to count students, behaviors, responses, accomplishments, etc.

Put a digital sand timer on display. Best Sand Timer can be set for any number of minutes. The free version displays ads.

TeacherKit is a personal organizer. Add classes and students. Then take attendance, note behavior, take grades, and make seating charts.

$7.99 iDoceo 3

iDoceo is a teacher's gradebook, timetable, attendance taker, diary, and resource manager.

ASSESS. STUDENT WORK

Grade student work, keep anecdotal notes, track progress, and collect learning artifacts.

"My recipe for bad grades: don't study."
– Todd Barry

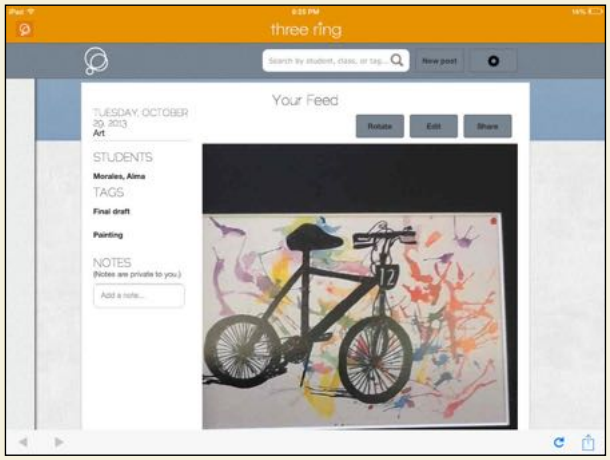
"He reminds me of the kid in fifth grade who reminded the teacher she forgot to give the homework."
– Jonathan Solomon

"Our school color was manila."
– John McDowell

"Life is not a multiple choice test, it's an open-book essay exam."
– Alan Blinder

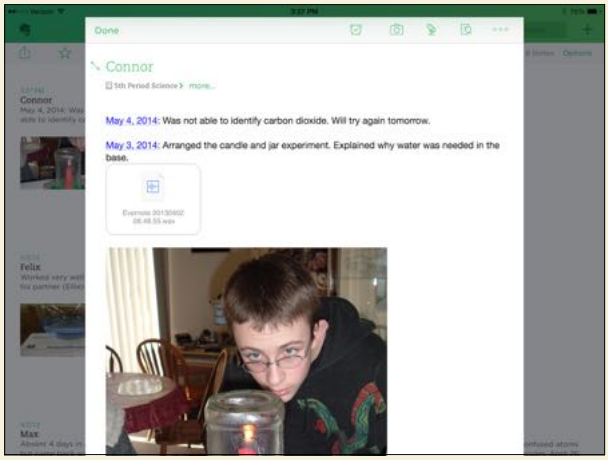
Three Ring

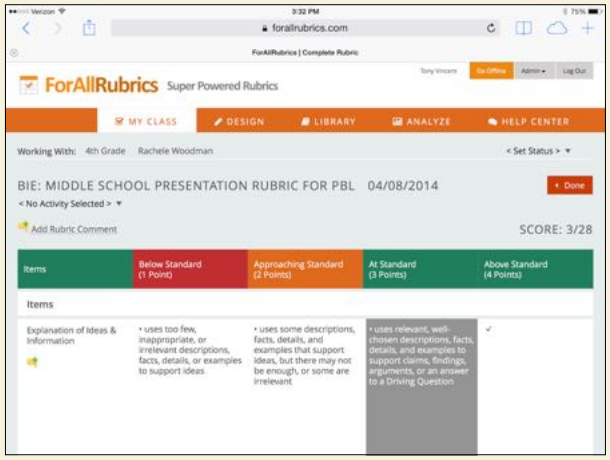
Three Ring is an app and a website. Use the app to digitize student work by taking photos or recording video or voice. The student work is securely synced to the teacher's account at threering.com where the teacher can add comments. Items can be shared with students and parents



Evernote

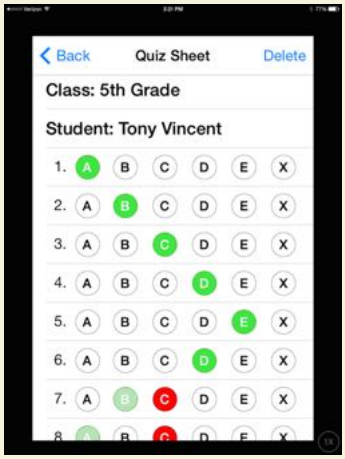
While not specifically made for assessment, Evernote works well to collect learning artifacts and make anecdotal notes. Make a notebook for each class and a note for each student. Notes can include text, images, video, audio, and other files. The Evernote app is synced with Evernote for Mac, PC, and web.





Easily find or create rubrics in your web browser. Complete them by going to ForAllRubrics.com in Safari on your iPad. Safari can store and sync rubrics for use offline. You can print rubrics or save as a PDF or spreadsheet. You can also have students log in to view their rubrics.

ForAllRubrics



Quick Key eliminates hand-grading of multiple choice answer sheets. A teacher inputs classes, students, and quizzes into the app or into the web interface at quickkeyapp.com. Students fill in the Quick Key bubble sheet and the app grades it instantly by scanning it through the iPad's camera.

Quick Key

To protect your information and student data, you should lock your iPad with a passcode. Go to Settings, choose Passcode, and select Turn Passcode On.

INTERACT WITH STUDENTS

Use your iPad to collect responses, communicate, and host game shows.

These tools don't require students to have iPads, but some do call for students to use a computer or device that can access the web, email, or text messaging.

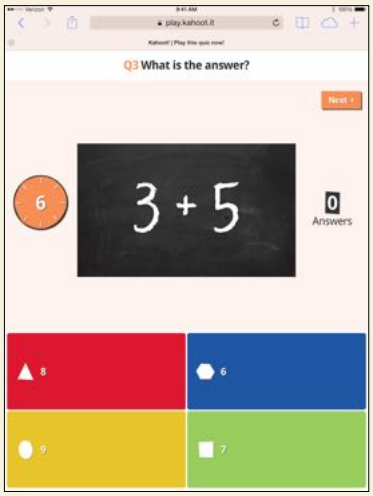
FREE All of these tools can be used free of charge.

Post-it Plus

Collect, sort, and share student responses with sticky notes! Open Post-it Plus and create a new board. Then snap a photo of one or multiple sticky notes. Post-it Plus digitized them, allowing you to sort them and share the board as a PDF.

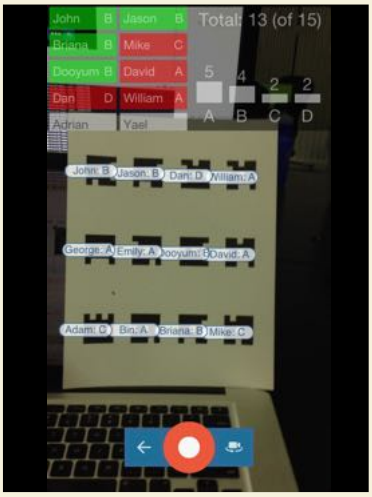
Kahoot!

Kahoot is a game-based classroom response system. The teacher can create quizzes and surveys on getkahoot.com. Students join in on any device or computer by entering the game-pin at kahoot.it.



Plickers

Poll your students without the need for them to have any devices. Simply print a card for each student to hold up. Pan your iPad across the room so Plickers can scan the cards using the camera.



Remind

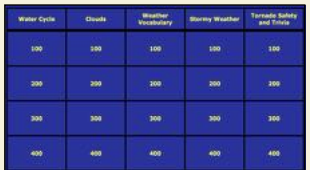
Use the Remind app to send text messages and emails to groups of students or parents. Teachers never see students' phone numbers, and students never see theirs.

Game Show Soundboard

Tap to instantly play sound effects that are great for when playing game shows in the classroom. There are even countdown timers, complete with dramatic music. Sounds best with speakers.

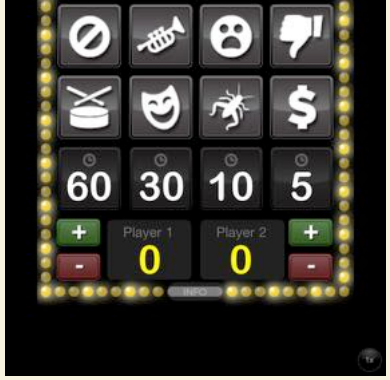
PickMeBuzzer

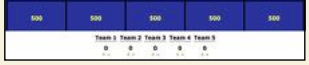
Have up to 5 students gather around your iPad to host a little competition where students buzz in. You can clearly see who touched their number first. PickMeBuzzer can be set up to work with multiple Apple devices.



Play classroom **Password** with the help of Game Show Soundboard to reinforce vocabulary! Simply create a slideshow in PowerPoint or other slideshow software on a computer that is mirrored to a projector. Put one vocabulary word on each slide.

Start Game Show Soundboard's 60 second timer. Pairs of students try to guess as many words as possible. One player is the guesser and has his back to the projector screen. The other is the clue giver. Clues can only be one-word guesses. Use Game Show Soundboard's plus button to keep score.





Play classroom **Jeopardy** with the help of PickMeBuzzer. Simply create a game board at jeopardylabs.com and show it on a computer that is mirrored to a projector.

Divide the class into 5 teams. Each team takes turns sending up one player to buzz in using PickMeBuzzer. The first player to buzz gets to answer the current question. You can use jeopardylabs.com to keep each team's score.

Want quick access to a web page on your iPad? Add the page to your Home screen! Here's how → When viewing the page in Safari, click the Share button. Then choose Add to Home Screen.

ACCESS YOUR FILES

Your documents, photos, videos, and more can be stored online for easy access.

Share

Many apps have an Open In... option you can find after clicking the Share button. This will copy the file you currently have open or selected into another app. This is handy for storing your files and an easy way to get to them on a Mac or PC if you use a cloud storage service like the ones below.

Open In...

Dropbox

Everything you put into your Dropbox folder on your computer is synced online. You can open those synced items through the iPad app. You can also upload items to your Dropbox from the app.

Google Drive

Upload photos, videos, and other files from your iPad to your Google Drive. Install the Docs, Sheets, and Slides apps in order to view, edit, or create documents, spreadsheets, and presentations.

Evernote

View, edit, and create notes that can contain text, images, audio, and other files. Everything is synced online for access from other devices and computers.

Copy

Copy functions just like Dropbox. You can use it to store photos, videos, and other files. While Dropbox starts you off with 2 GB for fee, Copy gives you 15 GB.

Install the Mac or PC versions of these apps to have the same access on your desktop.

Word PowerPoint Excel

If you store your Microsoft Office documents in OneDrive, you can view those same documents in Microsoft's Word, Excel, and PowerPoint iPad apps. You must have an Office subscription in order to edit or create documents.

If you store your Apple iWorks documents in iCloud, you can view and edit those same documents in Apple's Pages, Keynote, and Numbers apps. Use these same apps to create and export documents.

Pages Keynote Numbers

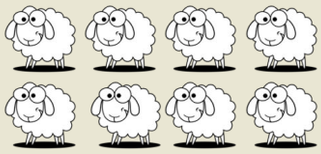
You can lock your iPad into a single app. This is nifty when handing off your device for a student to use. Turn on Guided Access by opening Settings, choosing General, and selecting Accessibility.

MAKE
INSTRUCTIONAL MEDIA

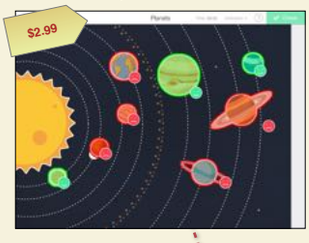
Use some incredible apps to make multimedia creations for your students.

These apps are free of charge unless otherwise noted.

It's like cloning yourself. You can be in more than one place at once!

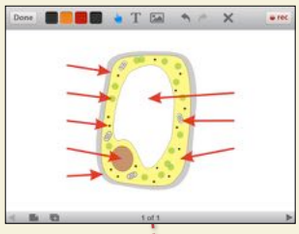


Design labeling, sorting, and matching puzzles for your students using Stick Around. Play as a group, hand your iPad off to students, or share to other iPads.



Use Explain Everything to record your voice as you draw on a whiteboard. You can also import images and video and add annotations and animations.

Educreations turns your iPad into a recordable whiteboard. Videos are uploaded to your page on educreations.com



Narrate a series of images to create instructional videos with Shadow Puppet Edu. Import your own images or use the app's image search. Share online.

Share beautiful step-by-step how-to guides using Snapguide. Take or import photos or video and add captions. Guides are published on snapguide.com.

Sick Around | Explain Everything | Educreations | Shadow Puppet Edu | Snapguide

Haiku Deck | Prezi | Strip Designer | AudioBoom | Songify

Create stunning slideshows with Haiku Deck. Simply enter your text to see copyright-friendly images that you can use as backgrounds.

Create, edit, present, and share presentations that zoom and rotate using Prezi. Insert text and images onto a large canvas. Uploads to prezi.com.

Craft your own comic strip or book with Strip Designer. Select a template, insert photos, and add balloons.

Scan the code to hear an example.

tonyv.me/abtp

Use AudioBoom to record up to 10 minutes of audio. Every recording generates a link that you can copy and share.

Scan the code to hear an example.

tonyv.me/song

Songify turns speech into singing. Your voice is auto-tuned and combined with music.

According to a March 2014 survey of 558 iPad-using teachers on Twitter, the average number of apps installed is 134.

LEARN
NEW THINGS

Teachers are lifelong learners, and with your iPad, learning is in hand!

"I teach in order to learn."
– Robert Frost

"Those of us who aim to lead learning must be ourselves Chief Learners in order to be Chiefs of Learning."
– Jonathan Martin

"You'll never know everything about anything, especially something you love."
– Julia Child

"I am learning all the time. The tombstone will be my diploma."
– Eartha Kitt

iTunes U

iTunes U gives you free access to complete courses from leading universities, schools, and individuals. You might be interested in Maximizing Google Drive on the iPad, Student Created Books in the iClassroom, Classroom 2.0 Live, or Edutopia.

iBooks

iBooks is Apple's app for reading books. There's a store where you can buy books. But, there are plenty of free books to download, and there's a Free Books section you can browse. You might be interested in Lecturing with an iPad, iPad Tips & Tricks, or Flipping the Classroom.

Flipboard

Flipboard is your personal magazine. You choose the topics and start reading. You can also make magazines from Twitter posts. For instance, you can make a magazine with everything Tony Vincent posts by entering @tonyvincent. Or, make a magazine from **hashtags** on Twitter.

eduClipper

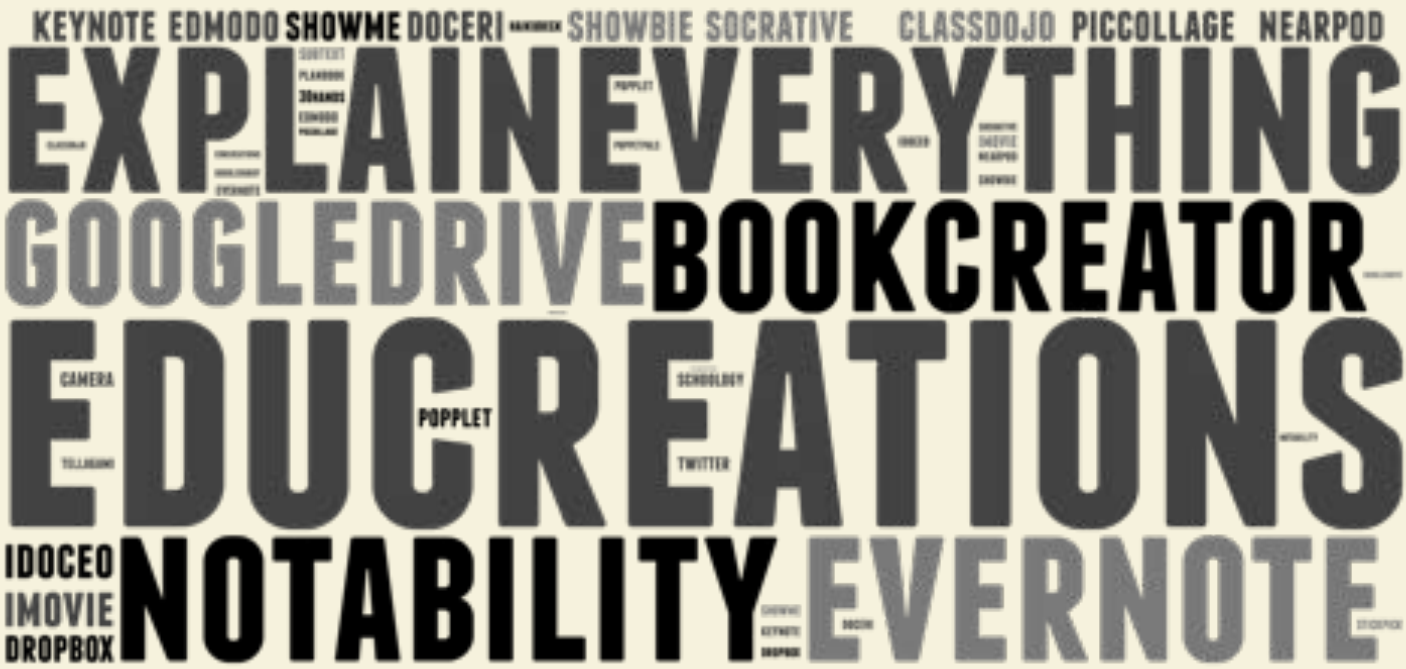
Explore and clip educational resources and share your own. Use the camera to capture photos and record whiteboard videos. After you sign in, check out the Popular tab to see the top items that are currently being clipped.

TWITTER HASHTAGS

Educators include keywords like these in their tweets so that others can find them:

- #iosedapp — iPad, iPod & iPhone apps
- #ipaded — iPad in Education
- #edtechchat — educational technology
- #byotchat — bring your own technology
- #4productivity — personal productivity

A March 2014 survey of 558 iPad-using teachers on Twitter asked which app is their favorite to use at school. The most popular responses can be seen in the word cloud below.



Top Responses

- Explain Everything 71
- Educreations 38
- Evernote 37
- Notablity 28
- Book Creator 27
- Google Drive 26
- iMovie 21
- Socractive 13
- Nearpod 13
- Pic Collage 11
- iDoceo 11
- Doceri 9
- Emoodo 9
- ClassDojo 8
- Showbie 7
- Keynote 7
- ShowMe 7
- Dropbox 7
- Popplet 6
- Schoology 5
- Haiku Deck 5
- Twitter 5
- Camera 5
- Tellagami 5

INFOGRAPHIC BY TONY VINCENT. FIND HIM ONLINE.

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plustony.com

pinterest.com/tonyvincent

twitter.com/tonyvincent

Learning in Hand with TONY VINCENT

Most of the app names and websites mentioned on the single-page PDF version of this infographic are hyperlinks. Go ahead, try clicking!

Prices were current when this document was updated.

Some links to Amazon and iTunes are affiliate links. Tony Vincent may be paid a commission if you make a purchase.

2014 survey results of iPad-using teachers on Twitter can be found at tonyv.me/2014survey.

Pew Internet tablet ownership findings available at pewinternet.org/fact-sheets/mobile-technology-fact-sheet

Science experiment photo by bcmom on Flicker flickr.com/photos/bcmom/116590353