iPad as the TEACHER'S PET

Infographic by Tony Vincent
learninginhand.com/pet

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

SHOW
ON A BIG SCREEN

374 iPad-using teachers on Twitter answered a survey in October 2016. They were asked,

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

Respondents were able to select more than one option.

WIRELESS

WIRED

Apple TV
$149

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

AirServer or Reflector
$14.99

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?

Using a video adapter is the most reliable way to mirror iPad's screen.

QuickTime
mac OS

Use iPad's USB cable to connect to a Macintosh. Open QuickTime on the Mac and choose New Recording. Click the arrow next to the record button and choose iPad as the source. iPad's screen appears in a windows on the Mac's screen.

Document Camera

A document camera allows you to show your fingers and gestures. Glare from overhead lights can be an issue.

11% do not mirror their screens

46% use an Apple TV

33% use AirServer or Reflector

21% use an adapter

5% use QuickTime

10% use a doc camera

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

SMART Notebook
$6.99

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

SketchParty TV
$4.99

Use SketchParty TV's custom word list to play a classroom drawing guessing game. One student draws on the iPad while her team guesses the word concept being drawn.

Explain Everything
Subscription

Turn iPad into an interactive whiteboard! Draw and annotate over photos, PDFs, and slides.

IPEVO 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
$99

Belkin Stage Portable
$82

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

Use the promo code **DFK872** (after the 30 day free trial) to save 10% on the life of any Explain Everything subscription!

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

FREE

PAID

Doceri

Chrome Remote Desktop

Splashtop 2 Remote
$4.99

Splashtop Whiteboard
$29.99

Mirroring your iPad?
Use the Zoom Controller as an onscreen pointer...

Go the Settings app, click General → Accessibility → Zoom.

Install Doceri Desktop on your Mac or PC. Then use Doceri to

Install the Chrome Remote Desktop app on a computer

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

Not only can you view and control your computer, but you can draw

Go the Settings app, click General → Accessibility → Zoom. Turn on Zoom & Show Controller.

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

Install the Chrome Remote Desktop app on a computer and then view and control that computer with your iPad app.

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

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

According to the Pew Research Center, over 51% of American adults owned tablet computers in 2016.

Own a Tablet

Do Not Own a Tablet

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 Randomly then choose pick from the whole class or those who have not yet been called on.

Tony Vincent

Monitor noise levels, tally points, and display a learning intention with Silent Light.
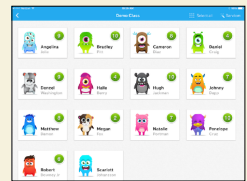
We are learning about apps for teachers.

$2.99

Enter text into Make It Big to enlarge your message to fill the screen. Shake iPad to make your message blink.

Project due date extended!

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

$11.99

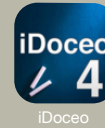Use ClassDojo to track student skills and behavior by adding and subtracting points.
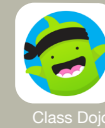
R
Randomly

Silent Light

big
Make It Big

iDoceo 4
iDoceo

Class Dojo

Chwazi Finger Chooser
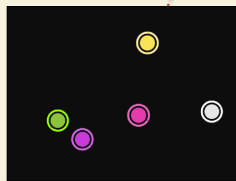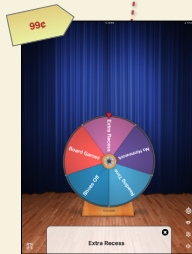
Decide Wheel

2468 ⊖ ⊕
Counter+

Fun Time Timer

Clock

Pick a student or choose teams with Chwazi. Students each put a finger on the screen and one finger is chosen. Or, have the app make up to 6 groups by color coding students' fingers.

99¢

Use Decide Wheel to create a wheel of options. Spin it to randomly select from the options. Use for class rewards, lesson extensions, math problems, etc.
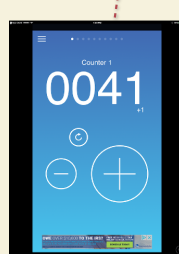
Counter 1
0041
+1

Counter+ is a replacement for mechanical counters. Use it to count students, behaviors, responses, accomplishments, etc.
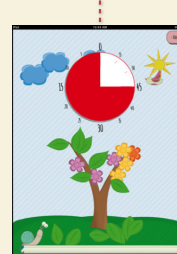
Put a digital timer on display. Fun Time Timer displays a ticking pie chart and a progress bar with a cute snail.

14:57
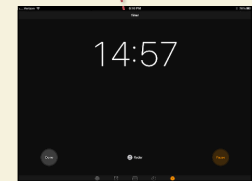
The Clock app that is already on your iPad makes for a great timer. Its Timer displays the countdown large enough to be seen from across the classroom.

Add paid apps to your wishlist at AppShopper.com and get notified by email when any app on your wishlist drops in price!

ASSESS

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."

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

STUDENT WORK

Seesaw: The Learning Journal

Seesaw is a very easy way for students to add their work to an online learning journal. First, the teacher creates a class list inside of Seesaw. A student adds work simply by selecting his or her name and uploading. Work can be added all on the same iPad or from difference devices. A student can also add a caption or audio narration. The teacher can provide feedback, and she is in control of what is published to the class feed.
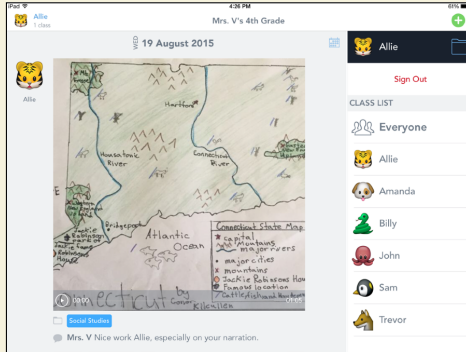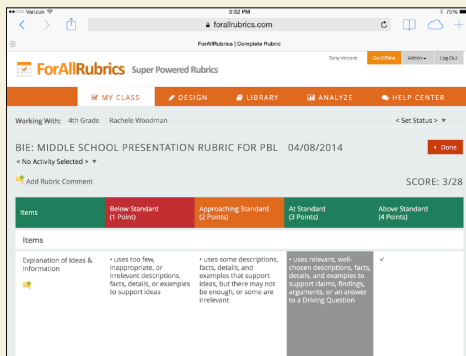
FreshGrade

With **FreshGrade** teachers can create, collect, and grade assignments. Assignments can be text files, images, audio files, and videos. Student work is archived in portfolios and FreshGrade makes it easy to review progress. It can create a slideshow of each student's top highlights from the school year. The slideshow, student work, teacher feedback, and grades can be shared with parents.

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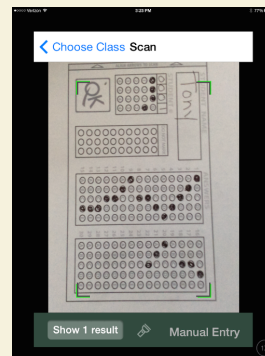
Quick Key eliminates hand-grading of multiple choice answer sheets. A teacher inputs classes, students, and quizzes into the app or into the web interface at quickkeyapp.com. Students fill in the Quick Key bubble sheet and the app grades it instantly by scanning it through the iPad's camera.

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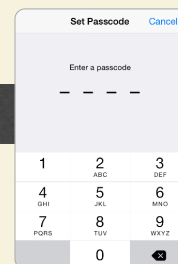
To protect your information and student data, you should lock your iPad with a passcode. Go to Settings, choose Touch ID & Passcode, and select Turn Passcode On.

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.

Quizizz

Quizizz is a game-based classroom response system. The teacher can create quizzes and students join in on any device or computer by entering the game-pin. A game can be left open for up to two weeks, so students can cycle through on one iPad if necessary.
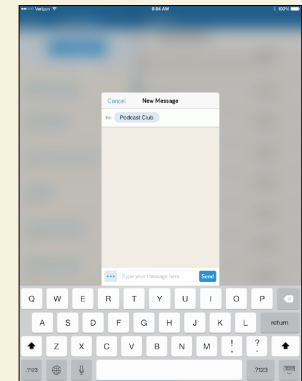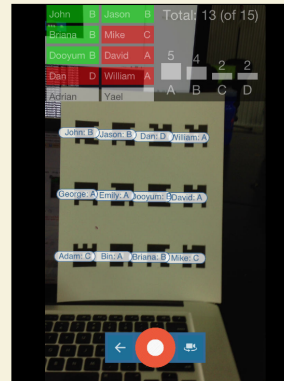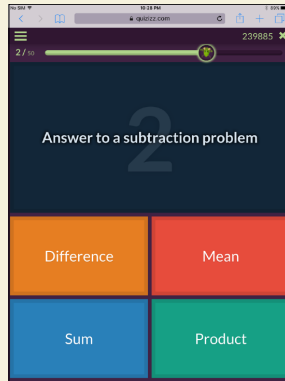
Plickers

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.

Group A

feisty · peppy · LIVELY · spirited · vibrant · DYNAMIC · DASHING · animated

2 / 30 · 239885

2

Answer to a subtraction problem

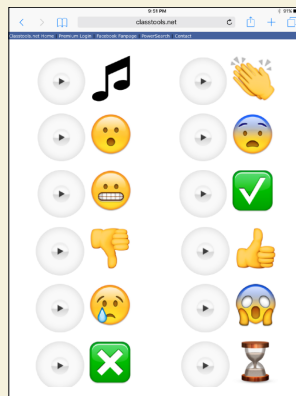| Difference	Mean
Sum	Product

Total: 13 (of 15)

Audience Soundboard

Tap to instantly play sound effects that are great for when playing game shows in the classroom. Access the Audience Soundboard as simple webpage at classtools.net/soundboard

Talent Show Buzzer

Have up to 4 students gather around your iPad to host a little competition where students buzz in. Only one of the four colored circle can be pressed at a time, allowing you to see who buzzed in first.
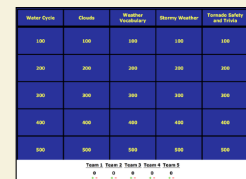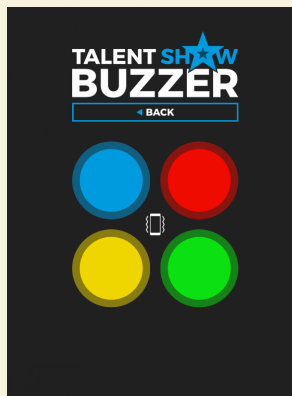

hurricane

Play classroom **Password** with the help of Audience 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 a 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 Audience Soundboard after correct and incorrect guesses.

TALENT SHOW BUZZER

◄ BACK

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

Divide the class into 4 teams. Each team takes turns sending up one player to buzz in using Talent Show Buzzer. 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...

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

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

Evernote Scannable

Scan student work, receipts, business cards, and any paper that comes your way. Simply hold your iPad above the paper to capture it. Scannable enhances the

Microsoft OneNote

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

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.

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.

Scan student work, receipts, business cards, and any paper that comes your way. Simply hold your iPad above the paper to capture it. Scannable enhances the image to look its very best. Saves as a PDF or image.

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.

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!

Use the promo code **DFK872** (after the 30 day free trial) to save 10% on the life of any Explain Everything subscription!

Create ebooks on your iPad. Add text, photos, drawings, video, music, and audio recordings with Book Creator. Save your book to iBooks or publish online.

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.
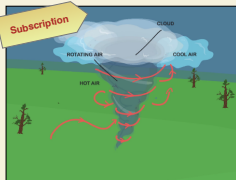
Create or upload slideshows and add questions and interactive elements. Slideshows can be self-paced so students can cycle through using one iPad if necessary.
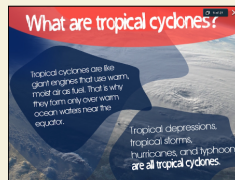
Narrate a series of images to create instructional videos with Shadow Puppet Edu. Import your own images or use the app's image search. Share online.

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.

$4.99

Subscription

What are tropical cyclones?

Frog Life Cycle

How to Use MLA Format.

Book Creator **Explain Everything** **Nearpod** **Shadow Puppet Edu** **Snapguide**

Adobe Spark Video **Adobe Spark Page** **Adobe Spark Post** **TinyTap** **Flipgrid**

Iowa

Germs love touchscreens.

TYPE WHAT YOU WANT TO SAY. THEN CHOOSE A PHOTO AND PICK A THEME.

Simple Machines Ch 10.2

Coral Reefs in Trouble
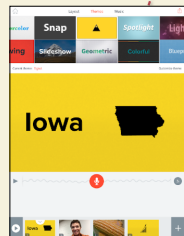
Create a slick narrated slideshow with Adobe Spark Video. Use your own images or search Creative Commons images and symbols from within the app. Exports as a video file.
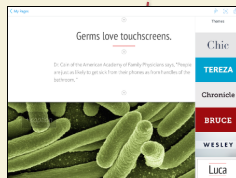
Publish an elegant webpage with Adobe Spark Page. Combine text, images, and web links into one scrollable page. Get a URL to share the page with students.
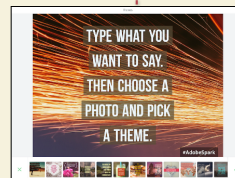
Create stunning graphics in Adobe Spark Post. Enter text, choose a photo, and pick a theme to make informational images. Saves to your Photo Library.
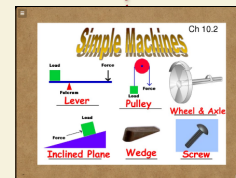
TinyTap activities can have multiple pages and each page can have different interactive elements, like puzzles, question blanks, and multiple choice questions.
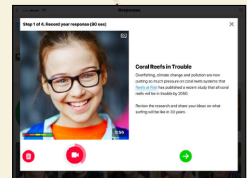
Collect selfie videos from students with Flipgrid. After setting up a free account at flipgrid.com, students can use the app to easily submit reflections, questions, etc.

According to an October 2017 survey of 374 iPad-using teachers on Twitter, the average number of apps installed is 99.

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

"I teach in order to learn."

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.

Nuzzel
Nuzzel collects the most popular links from the people you follow on Twitter. In fact, you can see the top links from the awesome educators Tony Vincent follows at nuzzel.com/tonyvincent.

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

#iosedapp	#ipaded	#edtechchat	#ipadchat	#appleteacher
iPad, iPod & iPhone apps	iPad in Education	educational technology	iPad in Education	teachers using Apple stuff

An October 2017 survey of 374 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.

GOOGLE KEEP NEARPOD SCHOOLOGY BITSBOARD AURASMA CLASSKICK GSUITE SOCRATIVE NOTABILITY ONENOTE GOOGLE CLASSROOM SEESAW KEYNOTE EVERNOTE PADLET ITUNESU TELLAGAMI CLASSCRAFT GARAGEBAND CLOCK CHROME GOOGLE SLIDES GOODNOTES KAHOOT STUDYISLAND SHADOW PUPPET EDU PIC COLLAGE DOCERI BOOK CREATOR IXL CAMERA CLASSDOJO PICCOLLAGE NOTES EXPLAIN EVERYTHING GOOGLE DRIVE APPLE CLASSROOM IMOVIE GREENSCREEN BY DOINK PLICKERS CLIPS IDOCEO FLIPGRID SHOWBIE

Top Responses
Seesaw 72
Explain Everything 31
Book Creator 18
Google Classroom 14
Google Drive 14
Notability 14
Pic Collage 12
Class Dojo 10
Greenscreen by Doink 8
Flipgrid 8
Nearpod 8
Camera 7
G Suite 7
iMovie 6
OneNote 6
iDoceo 5
Showbie 5
Socrative 5
Apple Classroom 4
Doceri 4
Google Keep 4
Schoology 4

learninginhand.com/pet